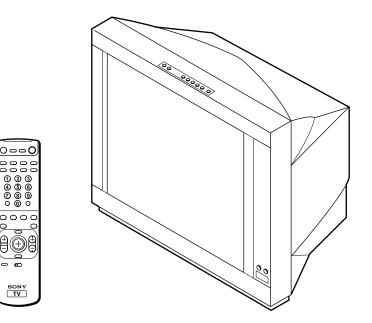


SERVICE MANUAL

AG3 chassis

MODEL COMMANDER DEST. CHASSIS NO. MODEL COMMANDER DEST. CHASSIS NO.

KV-ES34M31 RM-916 OCE SCC-P29B-A KV-ES34M61 RM-916 GE SCC-P35A-A KV-ES34M80 RM-916 ME SCC-P32C-A KV-ES34M90 RM-916 JE SCC-P34B-A







SPECIFICATIONS

		Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Stereo/Bilingual system	NICAM Stereo / Bilingual B/G, I; A2 Stereo / Bilingual (German) B/G	Except KV-ES34M80
Teletext language	English, Arabic, French	KV-ES34M31/ES34M61 only
Channel coverage		
B/G	VHF: E2 to E12 / UHF: E21 to E69 / CATV: S01 to S03, S1 to S41	
I	UHF: B21 to B68 / CATV: S01 to S03, S1 to S41	
D/K	VHF: C1 to C12, R1 to R12 / UHF: C13 to C57, R21 to R60 CATV: Z1 to Z39, S01 to S03, S1 to S41	
М	VHF: A2 to A13 / UHF: A14 to A79 / CATV: A-8 to A-2, A to W+4, W+6 to W+84	
□ (Antenna)	75-ohm external terminal	
Audio output (Speaker)	15W + 15W	10% distortion
Number of terminal		
	Input: 4 Output: 1	Phono jacks; 1 V _{P-P} , 75 ohms
∫ (Audio)	Input: 4 Output: 1	Phono jacks; 500 mVrms
-⊕ (S Video)	Input: 2	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms
(Component Video)	Input: 1	Phono jacks Y: 1 Vp-p, 75 ohms, sync negative CB: 0.7 Vp-p, 75 ohms CR: 0.7 Vp-p, 75 ohms Audio: 500 mVrms
DIGITAL IN	Input: 1	Phono jack; 0.5 Vp-p, 75 ohms
⊖ (Headphone)	Output: 1	Stereo minijack
Picture tube	34 inch	
Tube size (cm)	86	Measured diagonally
Screen size (cm)	80	Measured diagonally
Dimension (w/h/d, mm)	859 × 650 × 573	
Mass (kg)	84	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SELF DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1. DIAGNOSTIC TEST INDICATORS

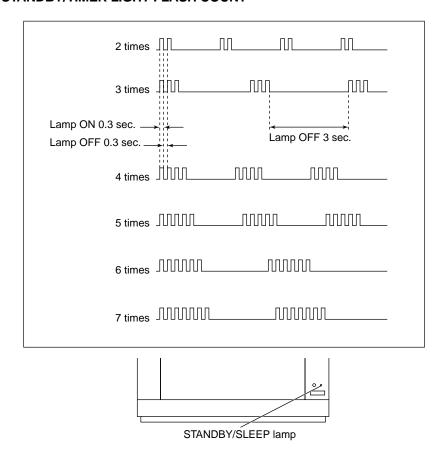
When an errors occurs, the STANDBY/TIMER lamp will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occured if the screen displays a "0".

Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/Diagnostic result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	_	 Power cord is not plugged in. Fuse is burned out F1601 (F1 Board) 	 Power does not come on. No power is supplied to the TV. AC power supply is faulty.
• +B overcurrent (OCP)	2 times	002:000 or 002:001~255	H.OUT Q6807 is shorted. H.LIM Q6810 is shorted.	Power does not come on.Load on power line is shorted.
• +B overvoltage (OVP)	3 times	003:000 or 003:001~255	PH 6602 faulty. 10.5V is not supplied. (D board)	Power does not come on.
Vertical deflection failure	4 times	004:000 or 004:001~255	V.OUT IC6800 faulty D6816 faulty D6817 faulty D6824 faulty R6852 open R6851 open	 Vertical deflection pulse is stopped. Vertical size is too small. Vertical deflection stopped.
White balance failure (no PICTURE)	5 times	005:000 or 005:001~255	 G2 is improperly adjusted. (Note 2) CRT problem. Video OUT IC9001, 9002, 9003 are faulty. (C board) IC8306 (J board) and IC4301 (E board) are faulty. No connection E board to C board. 	No raster is generated. CRT cathode current detection reference pulse output is small.
Horizontal deflection failure	6 times	006:000 or 006:001~225	C6831 is open circuit. CN6101 (D1 board) is disconnected.	H pulse output is too high.
Audio Protection	7 times	007:000 or 007:001~225	Power supply fails. IC1203, IC1204 faulty	There is picture but speaker does not release sound.
Micro reset	_	101:00 or 101:001~225	Discharge CRT (C Board)Static dischargeExternal noise	 Power is shut down shortly, after this return back to normal. Detect Micro latch up.

Note 1: Refer to screen (G2) Adjustment in section 4-5 of this manual.

2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



<u>Diagnostic Item</u>	Flash Count*
+B overcurrent	2 times
+B overvoltage	3 times
V deflection stop	4 times
White balance failure	5 times
High voltage protector	6 times
Audio Protection	7 times

^{*} One flash count is not used for self-diagnostic.

3. STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

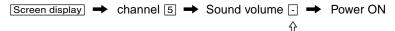
RM-916

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurances of failure for confirmation on the screen:

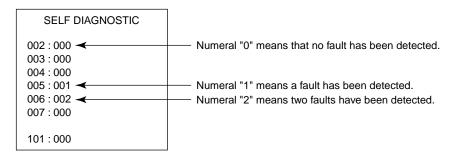
[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



Note that this differs from entering the service mode (mode volume \pm).

Self-Diagnosis screen display



5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

[Clearing the result display]

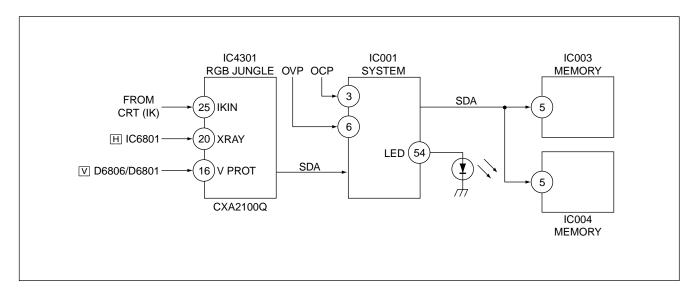
To clear the result display to "0", press buttons on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

Channel ⁸ → 0

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

6. SELF-DIAGNOSTIC CIRCUIT



+B overcurrent (OCP)

Occurs when an overcurrent on the +B(135) line is detected by Q6610 and Q6609

If Q6610 and Q6609 go to ON, the voltage to the pin3 of IC001 go to UP. The unit will automatically turn off.

+B overvoltage (OVP)

Occurs when an overvoltage on the +B(135) line is detected by D6635, Q6611 and Q6612. If Q6611 and Q6612 go to ON, the voltage to pin6 of IC001 go to UP. The unit will automatically turn off.

Vertical deflection failure

Occurs when an absence of the vertical deflection pulse is detected by Q6811, Q6819, Q6820, Q6821 and D6801. Shut down the power supply.

White balance failure

If the RGB levels do not balance or become low level within 5 seconds. This error will be detected by IC4301.

TV will stay on, but there will be no picture.

High voltage protector of Horizontal Deflection

Occurs when an overvoltage of horizontal pulse is detected by D6809 and IC6801.

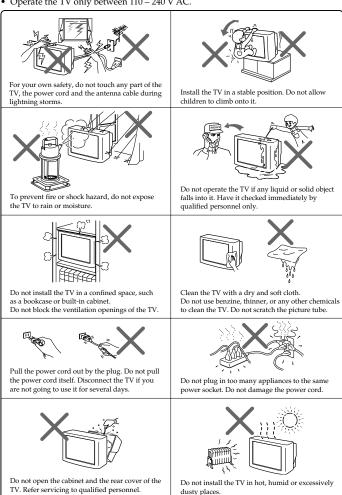
If the voltage of 7 pin of IC6801 goes to High, the voltage to pin20 of IC4301 go to UP. The unit will automatically turn off.

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

SECTION 1 GENERAL

WARNING

- Dangerously high voltages are present inside the TV.
- Operate the TV only between 110 240 V AC.



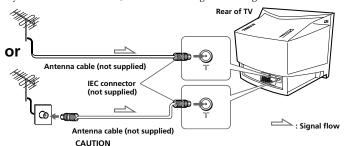
Using Your New TV

Getting Started

Step 1

Connect the antenna

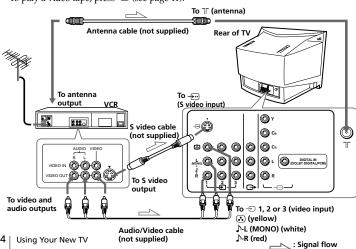
If you wish to connect a VCR, see the "Connecting a VCR" diagram below.



Do not connect the power cord until all other connections are complete; otherwise, a minimal current leakage through the antenna and/or other terminals to the ground could occur.

Connecting a VCR

To play a video tape, press € (see page 11).



KV-ES34M31/ES34M61/ES34M80/ES34M90

- If you connect a monaural VCR, connect the yellow plug to 🐼 (the yellow jack) and the black plug to \(\int \)-L (MONO) (the white jack).
- If you connect a VCR to the \(\superscript{\partial}\) (antenna) terminal, preset the signal output from the VCR to the program number 0 on the TV.
- When both the 🖅 (S video input) and 🔁 1 (video input) are connected, the 🖅 (S video input) is automatically selected. To view the video input to 1 (video input), disconnect the S video cable.

Step 2

Insert the batteries into the remote



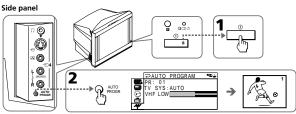


• To operate some of the functions of your TV, you may have to open the remote control cover.

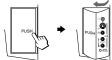


Step 3

Preset the channels automatically



- To stop the automatic channel presetting, press MENU twice.
- If your TV has preset an unwanted channel or cannot preset a particular channel, then preset your TV manually (see page 43).
- To open the side panel of your TV, push on it until you hear a click, then it will open.

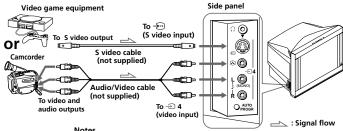


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Connecting optional components

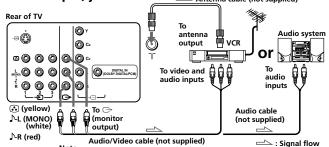
You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 11 and 27.

Connecting a camcorder/video game equipment using the **⊕** (video input) jacks



- When connecting video game equipment, display the "FEATURE" menu and select "ON" for "GAME MODE" to adjust the picture setting that is suitable for video games (see page 38).
- jacks at the rear of your TV.
- When both the 🖅 (S video input) and 🔁 4 (video input) are connected, the 🖅 (S video input) is automatically selected. To view the video input to 1 4 (video input), disconnect the S video cable.

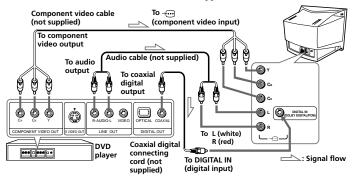
Connecting audio/video equipment using the -(monitor output) jacks Antenna cable (not supplied)



• If you select "DVD" on your TV screen, no signal will be output at the (monitor output) jacks (see page 11).

Connecting a DVD player to ⊕ (component video input)

- 1 Using an audio cable, connect R and L under ⊕ (component video input) on your TV to the LINE OUT, AUDIO R and L output connectors on your DVD player.
- 2 Using a coaxial digital connecting cord, connect DIGITAL IN under ← (component video input) on your TV to the DIGITAL OUT, COAXIAL output connector on your DVD player.
- 3 Using a component video cable, connect Y, CB, and CR under ← (component video input) on your TV to the COMPONENT VIDEO OUT Y, CB, and CR output connectors on your DVD player.
- 4 Press € on the remote or the TV until "DVD" appears on the screen.



Notes

• Some DVD player terminals may be labeled differently:

Connect	To (on the DVD player)
Y (green)	Y
C _B (blue)	Cb, B-Y or PB
C _R (red)	Cr, R-Y or Pr

- When connecting to (component video input) on your TV, you must connect Y, CB, and CR to receive the video signals, and at least connect DIGITAL IN to receive digital audio signals or connect L and R to receive analog audio signals (see page 34).
- When making connections to DIGITAL IN under ⊕ (component video input) on your TV, always set "DIGITAL IN: OFF" in the "A/V CONTROL" menu. After completing all connections, then set "DIGITAL IN: ON". If you set "DIGITAL IN: ON" while still making connections to ⊕ DIGITAL IN (component video input), a loud noise may suddenly come out from the speakers, affecting your hearing and causing damage to the speakers (see page 34).

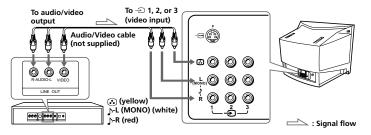
continued

Using Your New TV | 7

Connecting optional components (continued)

Connecting a DVD player to € (video input)

Connect \multimap 1, 2, or 3 (video input) $\Lambda \multimap$ (audio/video) connectors on your TV to LINE OUT on your DVD player.



Notes

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") under "PERSONAL ADJUST" in the "PICTURE MODE" menu (see page 33).
- Connect your DVD player directly to your TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

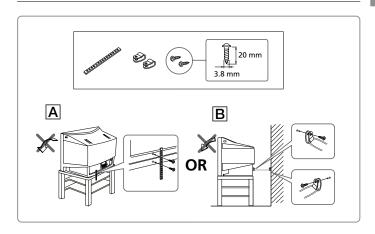
Securing the TV

To prevent the TV from falling, secure the TV using one of the following methods:

A With the supplied screws, attach the stabilizer band to the TV stand and to the rear of the TV using the provided hole.

OR

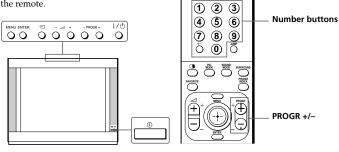
B Pass a cord or chain through the clamps and secure them to the rear of the TV and a wall or pillar.



• Use only the supplied screws. Use of other screws may damage the TV.

Watching the TV

This section explains various functions and operations used while watching the TV. Most operations can be done using the remote.



Press ① to turn on the TV.

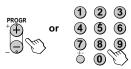
When the TV is in standby mode (the (b) indicator on the TV is lit red), press I/() on the remote or on the TV.



B A/8 0 -0 0

Press PROGR +/- or the number buttons to select the TV channel.

> For double digit numbers, press -/--, then the number (e.g., for 25, press -/--, then 2 and 5).

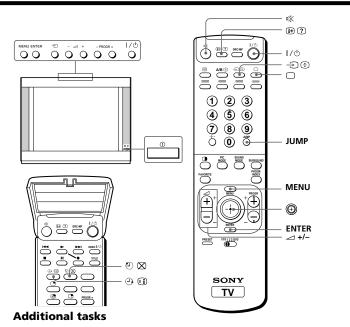


• When you turn on the TV, either the program number or video mode is displayed for approximately 40 seconds. The ECO MODE (\$\frac{1}{4}\text{to}) icon will also appear if "ECO MODE" in the "FEATURE" menu is set "ON" (see

To select a TV program quickly

- (1) Press and hold PROGR +/-.
- (2) Release PROGR +/- when the desired program number appears.

• When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.



То	Press
Turn off temporarily	I/ひ. The ひ indicator on the TV lights up red.
Turn off completely	① on the TV.
Adjust the volume	△ +/−.
Mute the sound	o <u></u> %.
Watch the video input (VCR, camcorder, etc.)	⊕ (or ⊕ on the TV) to select "VIDEO 1", "VIDEO 2", "VIDEO 3", "VIDEO 4"or "DVD". To return to the TV screen, press □ (or ⊕ on the TV).
Jump back to the previous channel	JUMP.
Display the on-screen information*	(i) .

^{*} Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

continued

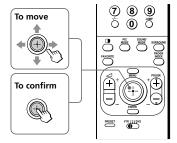
Using Your New TV

Watching the TV (continued)

Using the Remote Control Button Joystick (📵)

You can select the menu item on the screen by moving (1) up, down, left or right (see page 31).

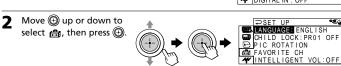
To confirm a selected item, press \bigcirc . You can also press ENTER on the remote to confirm a selected item.



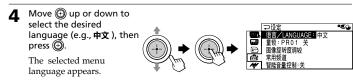
(KV-ES34M61/ES34M90) Changing the menu language

You can change the menu language as well as the on-screen language. For details on how to use the menu, see "Introducing the menu system" on page 29.









To return to the normal screen

Press MENU.

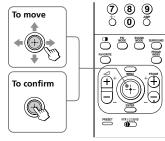
12 | Using Your New TV

Watching the TV (continued)

Using the Remote Control Button Joystick (19)

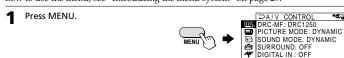
You can select the menu item on the screen by moving (1) up, down, left or right (see page 31).

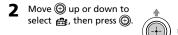
To confirm a selected item, press (1). You can also press ENTER on the remote to confirm a selected item.



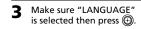
(KV-ES34M31/ES34M80) Changing the menu language

You can change the menu language as well as the on-screen language. For details on how to use the menu, see "Introducing the menu system" on page 29.





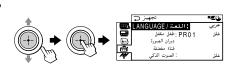






Move 📵 up or down to select the desired language (e.g., عربي), then press (19). The selected menu

language appears.



To return to the normal screen

Press MENU.

Setting the Wake Up timer

Press (4) until the desired period of time appears.

> The Wake Up timer starts immediately after you have set it.



Select the TV channel or video mode you want to wake up to.

Press $^{\circlearrowleft}$, or set the Sleep timer if you want the TV to turn off automatically. The ① indicator on the TV lights up orange.

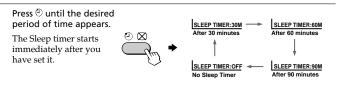
To cancel the Wake Up timer

Press ① until "WAKE UP TIMER: OFF" appears, or turn off the TV's main power.

Note

· If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up timer, the TV automatically goes into standby mode. To resume watching the TV, press any button or control on the TV or the remote.

Setting the Sleep timer



To cancel the Sleep timer

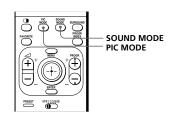
Press (9) until "SLEEP TIMER: OFF" appears, or turn the TV off.

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Advanced Operations

Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the "PERSONAL" option.



Selecting the picture mode

Press PIC MODE repeatedly until the desired picture mode is selected.



Select	То
"DYNAMIC"	receive high contrast pictures.
"STANDARD"	receive normal pictures.
"HI-FINE"	receive higher resolution pictures with mild contrast.
"PERSONAL"	receive the last adjusted picture setting from the "ADJUST" option in the "A/V CONTROL" menu (see page 33).

Selecting the sound mode

Press SOUND MODE repeatedly until the desired sound mode is selected.



Select	То
"DYNAMIC"	listen to dynamic and clear sound that emphasizes both the low and high tones.
"DRAMA"	listen to sound that emphasizes voice and high tones.
"SOFT"	receive soft sound.
"PERSONAL"	receive the last adjusted sound setting from the "ADJUST" option in the "A/V CONTROL" menu (see page 33).

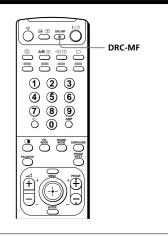
Tip

• You can also set the picture and sound modes using the menu (see "Changing the "A/V CONTROL" setting" on page 32).

Viewing higher quality pictures

- "DRC-MF"

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your TV. You can select "DRC1250" to watch super real (higher resolution) pictures, or "DRC100" to reduce flicker if necessary.



Press DRC-MF repeatedly until you receive the desired picture quality.



То	
select higher resolution pictures.	
reduce flicker on the screen.	
	1

. When the broadcast signal is weak, you may see some dots or noise on the TV screen. To reduce this interference, display the "A/V CONTROL" menu and select "ADJUST" in "PICTURE MODE", then adjust "SHARP" to reduce the sharpness (see page 33).

• The DRC-MF mode is not selectable when using the "PROGRAM INDEX" or "FAVORITE" channel feature, or when the "GAME MODE", Picture-In-Picture ("PIP"), or "TWIN" mode is turned "ON".

The DRC-MF logo (DRC-MF" are trademarks of Sony Corporation.

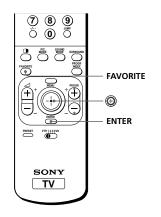
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Viewing your favorite channels

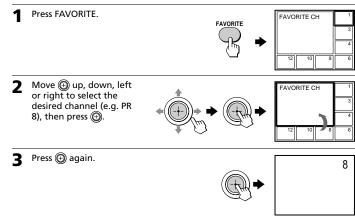
- "FAVORITE CH"

You can display seven favorite channels for quick and easy selection.

The last seven channels selected with the number buttons are displayed in "AUTO" mode. You can set up your own favorite channels in "MANUAL" mode under the "FAVORITE CH" menu (see "Changing the favorite channel setting" on page 41).



Selecting a favorite channel

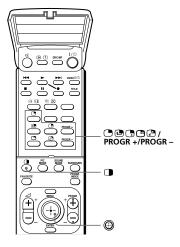


• When you use your TV for the first time, seven preset channels appear.

Watching two programs at the same time

— "PIP", "TWIN"

With the Picture-in-Picture (PIP) or TWIN pictures features, you can display a different TV program or video within or beside the main picture.



Displaying the PIP screen



Displaying TWIN pictures



To return to the normal screen

Press (when in the PIP screen) or (when in the TWIN picture) screen).

Tip

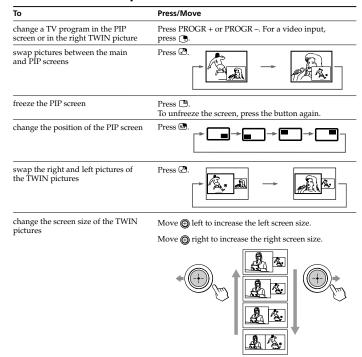
· You can also display the PIP screen or TWIN pictures using the menu (see "Changing the MULTI PICTURE setting" on page 35).

continued

Advanced Operations

Watching two programs at the same time (continued)

Additional PIP/TWIN pictures tasks



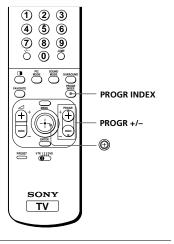
Notes

- The button does not function in the TWIN pictures mode.
- When you display a video input on the PIP screen at a faster/slower speed, the picture may be disrupted depending on the VCR type.
- · If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be disrupted. This does not indicate a malfunction of the TV.
- In the TWIN picture screen, you can only operate and hear the sound of the main left screen () appears on the screen).
- When the button is pressed, the TV screen flickers or goes blank for about one second before the TWIN pictures appear. This does not indicate a malfunction of the TV.

Displaying multiple programs

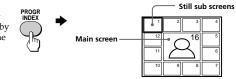
- "PROGRAM INDEX"

The PROGRAM INDEX feature displays all of the preset TV programs on twelve or seven sub screens for direct selection.

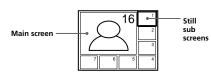


Press PROGR INDEX.

The first twelve preset programs appear one by one, clockwise from the upper left corner.



When the number of the preset TV programs is less than eight, the first seven preset programs appear one by one, clockwise from the upper right corner.



• When you press the PROGR INDEX button in the TWIN pictures mode, the left picture appears as the main screen of the PROGRÂM INDEX mode.

continued

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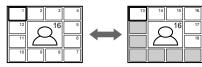
KV-ES34M31/ES34M61/ES34M80/ES34M90

Displaying multiple programs (continued)

To view the next or the previous twelve preset programs

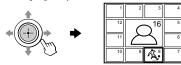
This works only when the number of the preset TV programs is more than twelve.

Press PROGR +/- on the remote or the TV.



To select the desired program directly from the sub screens

1 Move (a) up, down, left or right to move the frame to the screen of the program you want to watch.









• Pressing the number buttons directly displays the program.

To return to the normal screen

Press PROGR INDEX again, or:

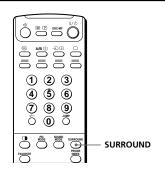
- 1 Select "PROGRAM INDEX" from the "MULTI PICTURE" menu.
- 2 Press 🕀.

You can also display multiple programs using the menu (see "Changing the MULTI PICTURE setting" on page 35).

• When displaying multiple programs, only the sound of the main screen is heard.

Listening with surround sound

The surround feature enables you to enjoy the sound effects of a concert hall or movie theater.



Press SURROUND repeatedly until you receive the desired surround sound.



Select	То
"DO VIRTUAL"	listen to Dolby* Surround encoded sound.
"TruSurround"	listen to the surround sound that spreads out to the rear of a room.
"SIMULATED"	listen to monaural sound with a stereo-like effect.
"OFF"	turn off the surround sound.

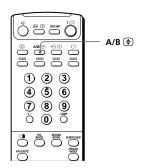
- · The Virtual Dolby Surround of this model consists of Dolby Digital, Dolby Pro Logic and TruSurround.
- The "DD VIRTUAL" (Virtual Dolby Digital) is only available when receiving a Dolby Digital signal through the DIGITAL IN (component video input) jack at the rear of your TV and "DIGITAL IN: ON" in the "A/V CONTROL" menu is selected (see pages 7 and 32).
- When using the DIGITAL IN (component video input) jack at the rear of your TV, the available surround modes depend on the type of digital signal being received.
- SIMULATED uses SRS (MONO).
- * Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol DO and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

"**TruSurround**" is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos.4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents".

Enjoying stereo or bilingual programs

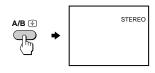
(Except KV-ES34M80)

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

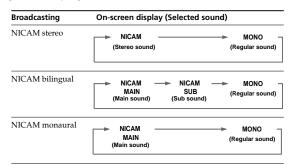


Press A/B repeatedly until you receive the sound you want.

The on-screen display changes to show the selected sound and the O indicator on the TV lights up red.



When receiving a NICAM program



continued

KV-ES34M31/ES34M61/ES34M80/ES34M90

(KV-ES34M31/ES34M61 only)

Enjoying stereo or bilingual programs (continued)

When receiving an A2 (German) program

Broadcasting	On-screen display (Selected sound)	
A2 (German) stereo	MONO (Regular sound)	STEREO - (Stereo sound)
A2 (German) bilingual	MAIN (Main sound)	SUB -

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.

If the sound is distorted or noisy when receiving a monaural program through the \(\pi \) (antenna) terminal

Press A/B repeatedly until "MONO" appears on the screen.

To cancel the monaural sound setting, press A/B again until "AUTO" appears on the screen.



- The "MONO" or "AUTO" setting is memorized for each program
- You cannot receive a stereo broadcast signal when the TV is in the "MONO" setting. Normally, set the TV to "AUTO".

(KV-ES34M90 only)

Enjoying stereo or bilingual programs (continued)

When receiving an A2 (German) program

Broadcasting	On-screen display (Selected sound)	
A2 (German) stereo	MONO (Regular sound)	STEREO (Stereo sound)
A2 (German) bilingual	MAIN (Main sound)	SUB (Sub sound)

Receiving area for NICAM and A2 (German) programs

System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- · If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition at your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

If the sound is distorted or noisy when receiving a monaural program through the T (antenna) terminal

Press A/B repeatedly until "MONO" appears on the screen.

To cancel the monaural sound setting, press A/B again until "AUTO" appears on the screen.



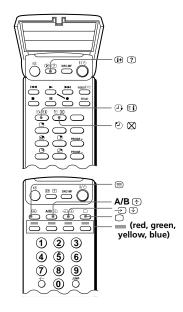
Notes

- The "MONO" or "AUTO" setting is memorized for each program
- · You cannot receive a stereo broadcast signal when the TV is in the "MONO" setting. Normally, set the TV to "AUTO".

Viewing Teletext

(KV-ES34M31/ES34M61 only)

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.



Displaying Teletext

Select a TV channel that carries the Teletext broadcast you want to watch.

2 Press ⊜ to display the text.

A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100?" is displayed at the top left corner of the screen after approximately 10 seconds.



To turn off Teletext

Press \square .

continued

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Advanced Operations

Viewing Teletext (continued)

Additional Teletext tasks

То	Do this
display a Teletext page on the TV picture	Press \blacksquare . Each time you press \blacksquare , the screen changes as follows: Teletext \rightarrow Teletext and TV \rightarrow TV.
check the contents of a Teletext service	Press (a). An overview of the Teletext contents, including page numbers, appears on the screen.
select a Teletext page	Press the number buttons to enter the three-digit page number of the desired Teletext page.* If you make a mistake, reenter the correct page number. To access the next or previous page, press PROGR +/
hold (pause) a Teletext page (stop the page from scrolling)	Press ⊕ to display the symbol "⊕" at the top left corner of the screen. To resume normal Teletext viewing, press ⊕ or ⊜.
reveal concealed information (e.g., an answer to a quiz)	Press ②. To conceal the information, press the button again.
enlarge the Teletext display	Press ⊕. Each time you press ⊕, the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size.
stand by for a Teletext page while watching a TV program	Enter the Teletext page number that you want to refer to, then press ⋈. When the page number is displayed, press ⊜ to show the text.

 You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding colorcoded button on the remote.

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red _____, green ____, yellow ____, and blue _____).

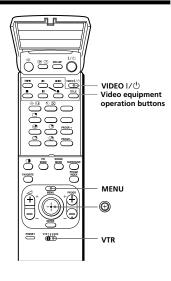
To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

KV-ES34M31/ES34M61/ES34M80/ES34M90

Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta, 8 mm, VHS or DVD.



Setting up the remote to work with other connected equipment

Switch VTR to select the desired equipment type (see the chart below).

For example, to operate a Sony 8 mm VCR:



To control	Select	
DVD	DVD	
VTR1 (Beta)	1	
VTR2 (8 mm)	2	
VTR3 (VHS)	3	

Notes

- If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR switch.
- If the equipment does not have a certain function, the corresponding button on the remote will not operate.

continued

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Advanced Operations

Operating optional components (continued)

Operating a VCR using the remote

То	Press
turn on/off	VIDEO I / 🖰
record	➤ while pressing ●.
play	>
stop	
fast forward (►►)	▶
rewind the tape (◀◀)	144
pause	II
	Press again to resume normal playback.
search the picture forward (►►)	▶►I or I◀◀ during playback.
or backward (◀◀)	Release to resume normal playback.

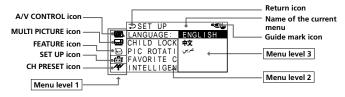
Operating a DVD player using the remote

То	Press
turn on/off	VIDEO I / 🖰
play	>
stop	
pause	Press again to resume normal playback.
step through different tracks of an audio disc	▶►I to step forward or I◀◀ to step backward.
display the title menu	TITLE
display the menu	MENU while holding down ●.
select the menu item	Move ⊕ up, down, left or right while holding down ●.

Adjusting Your Setup (MENU)

Introducing the menu system

The MENU button lets you open a menu and change the settings of your TV. The following is an overview of the menu system.



Level 1	Level 2	Level 3/Function
"A/V CONTROL"	"DRC-MF"	Select the "DRC-MF" mode: "DRC1250" \rightarrow "DRC100"
	"PICTURE MODE"	Select the picture mode: "DYNAMIC" → "STANDARD" → "HI-FINE" → "PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option: "PICTURE" → "COLOR" → "BRIGHT" → "HUE" → "SHARP"
	"SOUND MODE"	Select the sound mode: "DYNAMIC" → "DRAMA" → "SOFT" → "PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option: "BASS" → "TREBLE" → "BALANCE" → "BBE"*
	"SURROUND"	Select the "SURROUND" mode: "DID VIRTUAL" \rightarrow "TruSurround" \rightarrow "SIMULATED" \rightarrow "OFF"
	"DIGITAL IN"	Activate or deactivate the digital audio input jack at the rear of your TV.
"MULTI	"PIP"	Activate or deactivate the PIP feature.
PICTURE"	"PIP POSITION"	Change the position of the sub screen.
⊞	"SWAP"	Swap the pictures between the main and sub screens.
	"TWIN"	Display a TV program or video beside the main screen.
	"PROGRAM INDEX"	Display all the preset TV programs at the same time.
"FEATURE"	"WIDE MODE"	Activate or deactivate WIDE MODE feature.
	"ECO MODE"	Activate or deactivate ECO MODE feature.
	"GAME MODE"	Activate or deactivate GAME MODE feature.

Introducing the menu system (continued)

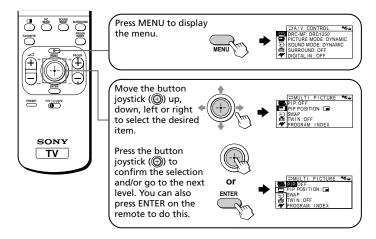
Level 1	Level 2	Level 3/Function
"SET UP"	"LANGUAGE"	Change the menu language: "ENGLISH" $ ightarrow$ " $ ightarrow$ " (Arabic) " (Arabic) " (Arabic)
••••	"CHILD LOCK"	Lock out specific channels.
	"PIC ROTATION"	Rotate the picture.
	"FAVORITE CH"	Set favorite channels.
	"INTELLIGENT VOL"	Adjust the volume automatically.
"CH PRESET"	"AUTO PROGRAM"	Preset channels automatically.
4	"MANUAL PROGRAM"	Preset channels manually.
	"SKIP"	Skip unwanted or unused program numbers.
	"TV SYS"	Select the TV system: "B/G" \rightarrow "I" \rightarrow "D/K" \rightarrow "M"
	"COL SYS"	Select the color system: "AUTO" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"

 $^{^{\}ast}~$ The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

Adjusting Your Setup (MENU)

KV-ES34M31/ES34M61/ES34M80/ES34M90

How to use the menu



Other menu operations

То	Press/Move
Adjust the setting value	Move up, down, left or right.
Move to the next/previous menu level	Move (1) left or right.
Cancel the menu	Press MENU.

- If you want to exit from Menu level 2 to Menu level 1, move @ up or down until the return icon (\supset) is highlighted, then press \bigcirc or ENTER.
- The MENU, ENTER, and ∠ +/- buttons on the TV can also be used for the operations above.

• If more than 60 seconds elapse between entries, the menu screen automatically disappears.

Changing the "A/V **CONTROL"** setting

MENU

The "A/V CONTROL" menu allows you to adjust the picture and sound settings.

Press MENU.



Move (19) up or down to DRC-ME: DRC1250
☐ PICTURE MODE: DYNAMIC
☐ SOUND MODE: DYNAMIC
☐ SURROUND: OFF select , then press (1) W DIGITAL IN : OFF

Move (19) up or down to →A/V CONTROL select either "DRC-MF", PICTURE MODE DRC100 SOUND MODE "PICTURE MODE", "SOUND SOUND MOI
SURROUND
MIDITAL IN MODE", "SURROUND", or_ SURROUND : C "DIGITAL IN", then press (1).

Move (1) up or down to select the desired option, then press 🕀



For	Select
"DRC-MF"	either "DRC1250" or "DRC100".
"PICTURE MODE"	either "DYNAMIC", "STANDARD", "HI-FINE", "PERSONAL"*, or "ADJUST".
"SOUND MODE"	either "DYNAMIC", "DRAMA", "SOFT", "PERSONAL"*, or "ADJUST".
"SURROUND"	either "DD VIRTUAL", "TruSurround", "SIMULATED", or " OFF".
"DIGITAL IN"	either "ON" or "OFF".

* When the "PERSONAL" mode is selected, the last adjusted picture/sound settings from the "ADJUST" option are received (see page 33).

• For details on the options under the "DRC-MF", "PICTURE MODE"/ "SOUND MODE", "SURROUND" and "DIGITAL IN" modes, see pages 15, 14, 22 and 34 respectively.

To return to the normal screen

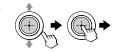
Press MENU.

32 | Adjusting Your Setup (MENU)

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Adjusting the "ADJUST" options under "PICTURE MODE"

Move ⊕ up or down to select the desired item (e.g., "COLOR"), then press ⊕.



COLOR IIIIIIIIIIIIIIII 80

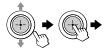
2 Adjust the value according to the following table, then press .

For	Move down or left to	Move ⊕ up or right to
"PICTURE"	decrease picture contrast	increase picture contrast
"COLOR"	decrease color intensity	increase color intensity
"BRIGHT"	darken the picture	brighten the picture
"HUE"*	increase red picture tones	increase green picture tones
"SHARP"	soften the picture	sharpen the picture
	* You can adjust "HUE" for the	NTSC color system only.

3 Repeat the above steps to adjust other items.
The adjusted settings will be received when you select "PERSONAL".

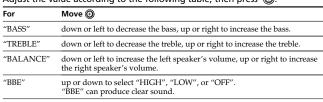
Adjusting the "ADJUST" options under "SOUND MODE"

1 Move (1) up or down to select the desired item (e.g., "BALANCE"), then press (3).



BALANCE ------00

Adjust the value according to the following table, then press



3 Repeat the above steps to adjust other items.
The adjusted settings will be received when you select "PERSONAL".

Changing the "A/V CONTROL" setting (continued)

Setting the "DIGITAL IN" options

1 In the "DIGITAL IN" menu, move up or down to select the desired option (see table below).



Select	То
"ON"	receive digital audio signal through 🖅 DIGITAL IN (component video input) jack.
"OFF"	receive analog audio signal through $\stackrel{\longleftarrow}{-\!\!\!\!\!-\!\!\!\!-\!\!\!\!-}$ L and R (component video input) jack.

Press to confirm the selected option.



Note

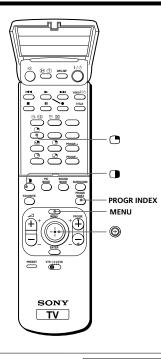
 Your TV can only receive Dolby Digital or Linear PCM format digital signals through the ⊕ DIGITAL IN (component video input) jack (see page 7). Receiving any other format digital signal may cause unwanted noise or no sound from the speakers.

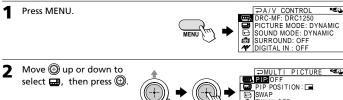
Tip

• For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 29.

Changing the "MULTI PICTURE" setting

The "MULTI PICTURE" menu allows you to use the Picture-in-Picture (PIP), TWIN pictures, or PROGRAM INDEX features.





Changing the "MULTI PICTURE" setting (continued)

Move (1) up or down to select the desired option (see the table below), then press ①



Select	То
"PIP"	display the PIP screen within the main picture. Move (a) up or down to select "ON", then press (a). To cancel, press (a) or select "OFF", then press (a).
"PIP POSITION"	change the position of the PIP screen. Move @ up or down to select the desired position, then press @.
	→ ■ ↔ ■ ↔
"SWAP"	swap the main and PIP screens, or right and left pictures of the TWIN pictures.
"TWIN"	display a different TV program or video beside the main picture. Move \textcircled{a} up or down to select "ON", then press \textcircled{a} . To cancel, press \textcircled{a} or select "OFF", then press \textcircled{a} .
"PROGRAM INDEX"	view multiple programs on the sub-screens. To cancel, press PROGR INDEX.

To return to the normal screen

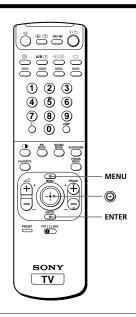
Press MENU.

• For details on the menu system and how to use the menu, see "Introducing the menu system" on page 29.

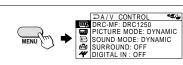
continued

Changing the "FEATURE" setting

The "FEATURE" menu allows you to change the size of the picture on the screen when receiving wide mode (16:9) picture signals. You can also adjust the picture setting that is suitable for viewing video games, and reduce the power consumption of your TV.



Press MENU.



Move 倒 up or down to select 🔁 , then press 🕀



continued

Changing the "FEATURE" setting (continued)

Move (19) up or down to select the desired option (see the table below), then press (11).



Select	То
"WIDE MODE"	change the size of the picture when receiving wide-mode (16:9) picture signal.
	Move $\textcircled{0}$ up or down to select "ON", then press $\textcircled{0}$.
	•
	To restore the normal picture size, select "OFF" then press .
"ECO MODE"	reduce power consumption of your TV to save energy.

Move ⊕ up or down to select "ON", then press ⊕. To cancel, select "OFF", then press . adjust the picture setting that is suitable to view video games. "GAME MODE"

Move (up or down to select "ON", then press (). To cancel, select "OFF", then press .

Notes

- When you turn on "ECO MODE", the picture may become dimmer. Turning "ECO MODE" off will restore the picture to its original setting.
- "WIDE MODE" and "GAME MODE" is available only when receiving signals through the 🕣 (video input), 🐿 (S video input), or (component video input) jacks at the side and rear of your TV.
- If "ECO MODE" is on, the ECO MODE (and) icon will appear at the bottom right corner of the screen when you turn on the TV or when you press (i+) on the remote (see pages 10 and 11).

To return to the normal screen

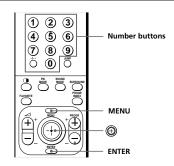
Press MENU.

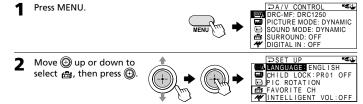
Tip

· For details on the menu system and how to use the menu, see "Introducing the menu system" on page 29.

Changing the "SET UP" setting

The "SET UP" menu allows you to: change the menu language, block channels, adjust the picture position, program your favorite channels, and adjust the volume automatically.





Move (19) up or down to select the desired option, then press (19).



	• •
Select	То
"LANGUAGE"	change the menu language (see page 12).
"CHILD LOCK"	block channels (see page 40).
"PIC ROTATION"	adjust the picture position when it is not aligned with the TV screen. Move up or right to adjust the position clockwise, then press Move down or left to adjust the position counter clockwise, then press .
"FAVORITE CH"	select your favorite channels (see pages 16 and 41).
"INTELLIGENT VOL"	adjust the volume of all TV program automatically. Move up or down to select "ON", then press

To cancel, select "OFF", then press .

To return to the normal screen

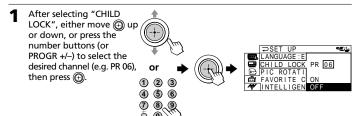
continued

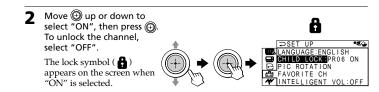
Press MENU.

Adjusting Your Setup (MENU) | 39

Changing the "SET UP" setting (continued)

Blocking channels ("CHILD LOCK")





If a locked channel is selected, the lock symbol appears on the screen.



Repeat steps 1 and 2 to lock other channels.

To return to the normal screen

Press MENU.

• If you preset a locked channel, that channel will be unlocked (see page 42).

Changing the favorite channel setting

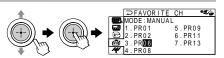
After selecting "FAVORITE CH", make sure "MODE" is selected, then press (1).



Move 🕀 up or down to select "MANUAL", then press (+).



Move 📵 up or down to select the program you want to change, then press 🕀.



Move 📵 up or down to change the number, then press 🕀



Repeat steps 3 and 4 to set other channels.

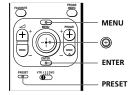
To return to the normal screen

Press MENU.

• If you press the PROGR +/- buttons or number buttons in step 4 above, the TV will display the channel immediately.

Changing the "CH PRESET" setting

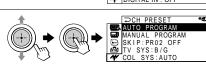
The "CH PRESET" menu allows you to adjust the setup of your TV. For example, you can manually tune in a channel with a weak signal that fails to be tuned in by automatic presetting.



Press MENU.



Move (1) up or down to select / , then press 🕀



Move (1) up or down to select the desired option, then press (+).



То
preset channels automatically.
preset channels manually. See "Presetting channels manually" on page 43.
skip unwanted or unused channels. 1 Either move ② up or down, or press the number buttons (or PROGR +/-) until the unused or unwanted channel number appears, then press ③. 2 Select "ON", then press ③. 3 To disable other channels, repeat steps 1 and 2. To restore the skipped channel, select "OFF" in step 2.
select the TV system.
select the color system. Normally, set this to "AUTO".

To return to the normal screen

Press MENU.

• For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 29.

Presetting channels manually

After selecting "MANUAL PROGRAM", select the program number to which you want to preset a channel.

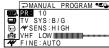


(2) Move (1) up or down until the program number you want to preset (e.g., program number "10") appears on the menu, then press (1).









→MANUAL PROGRAM 🖘

PR: 10
TV SYS:B/G

MY SENS: HIGH /HF LOW

PR: 06
TV SYS:B/G

MY SENS: HIGH

FINE: AUTO

HF LOW IIIIIIIIIIIIII

⇒MANUAL PROGRAM 🦘

Tips

- You can also select the "MANUAL PROGRAM" menu directly by pressing the PRESET button on the remote.
- You can also select the program number with the PROGR +/- or number buttons.

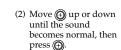
Select the desired channel.

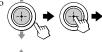
- (1) Move (a) up or down to select either "VHF LOW" "VHF HIGH", or "UHF", then press (1).
- (2) Move (1) up or down until the desired channel's broadcast appears on the TV screen, then press (1)



If the sound of the desired channel is abnormal, select the appropriate TV system.

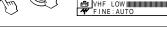
(1) Move (1) up or down to select "TV SYS", then press (+).







→MANUAL PROGRAM 🖘



continued

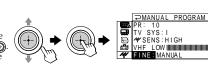
Adjusting Your Setup (MENU) | 43

Changing the "CH PRESET" setting (continued)

If you are not satisfied with the picture and sound quality, you may be able to improve them by using the "FINE" tuning feature.

(1) Move (up or down to select "FINE", then press (+).





→MANUAL PROGRAM ***

→MANUAL PROGRAM ***

AUTO MANUAL

= 6

PR: 10 TV SYS:I

PR: 10

TV SYS:I

MYSENS:HIG

VHF LOW

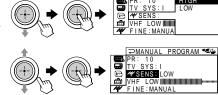
#SENS:HIG

(3) Move (either up, down, left or right until the picture and sound quality are optimal, then press The + or - icon on the menu flashes while tuning.

If the TV signal is too strong and the picture is distorted, you can adjust the TV reception sensitivity.

> (1) Move (1) up or down to select " SENS", then press





To return to the normal screen

Press MENU.

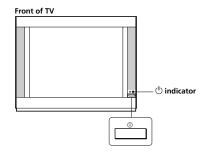
Notes

- The TV system ("TV SYS") and the TV reception sensitivity (" Y SENS") settings are memorized for each program number.
- If you preset a locked channel, that channel will be unlocked (see page 40).

Additional Information

Self-diagnosis function

Your TV is equipped with a self-diagnosis function. If there is a problem with your TV, the \circlearrowleft (standby) indicator flashes red. The number of times the \circlearrowleft indicator flashes indicates the possible causes.



- 1 Check that the \bigcirc indicator flashes red a number of times between 3-second intervals.
- **7** Count the number of times the 1 indicator flashes.
- Press ① (main power) to turn off your TV.
- 4 Inform your nearest Sony service center about the number of times the di indicator flashed.

Be sure to note the model name and serial number located on the rear of your TV .

TroubleshootingIf you have any problem while viewi

If you have any problem while viewing your TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

Symptom	Possible cause	Solutions	Page
Snowy picture	The connection is loose or the cable is damaged.	Check the antenna cable and connection on the TV, VCR and at the wall.	4
	Channel presetting is inappropriate or incomplete.	Press the PRESET button to display the "MANUAL PROGRAM" menu and preset the channel again.	43
Noisy sound	 The antenna type is inappropriate. 	Check the antenna type (VHF/UHF). Contact a Sony dealer for advice.	-
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	_
	Signal transmission is low.	Try using a booster.	-
Distorted picture	Broadcast signals are too strong.	Press the PRESET button to display the "MANUAL PROGRAM" menu. Then, select " SENS: LOW".	44
A ST.		Turn off or disconnect the booster if it is in use.	-
Noisy sound			
Good picture Noisy sound	The TV system setting is inappropriate.	 If the sound of all the channels are noisy, display the "CH PRESET" menu and select "AUTO PROGRAM" to preset the channels again. 	42
		If the sound of some channels is noisy, select the channel, then display the "CH PRESET" menu and select the appropriate TV system ("TV SYS").	43
	The digital audio signal is inappropriate.	Set "DIGITAL IN: OFF" in the "A/V CONTROL" menu and connect ⊕ L and R (component video input) on your TV to receive analog audio signals.	7,34
No picture	The power cord, antenna or VCR is not connected.	Check the power cord, antenna and the VCR connections.	4
	The TV is not turned	• Press I/() (power).	10
No sound	on.	Press ① (main power) on the TV to turn off the TV for about five seconds, then turn it on again.	11
	1		

Symptom	Possible cause	Solutions	Page
Good picture	The volume level is too low.	Press → + to increase the volume level.	11
	The sound is muted.	Press to cancel the muting.	11
No sound	The broadcast signal has a transmission problem.	Press A/B until a better sound is heard. (Except KV-ES34M80)	23
	The digital audio signal is inappropriate.	Set "DIGITAL IN: OFF" in the "A/V CONTROL" menu and connect ← L and R (component video input) on your TV to receive analog audio signals.	7, 34
	The "DIGITAL IN" setting in the "A/V CONTROL" menu is inappropriate.	When connecting to	34
Dotted lines or stripes	There is local interference from	Do not use a hair dryer or other equipment near the TV.	-
cars, neon signs, hair dryers, power generators, etc.		Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice.	-
Double images or "ghosts"	Broadcast signals are reflected by nearby mountains or buildings.	Use a highly directional antenna. Use the fine tuning ("FINE") function.	- 44
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Use of a booster is inappropriate.	Turn off or disconnect the booster if it is in use.	-
No color	The color level setting is too low.	Display the "A/V CONTROL" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level.	33
	The color system setting is inappropriate.	Display the "CH PRESET" menu and check the color system ("COL SYS") setting (usually set this to "AUTO").	42
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
Abnormal color patches	The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV.	Locate external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about five minutes, then turn it on again.	-

Troubleshooting (continued)

Symptom	Possible cause	Solutions	Page
TV cannot receive stereo broadcast signal. (Except KV- ES34M80)	The stereo reception setting is inappropriate.	Press A/B until "AUTO" appears on the screen.	23
Stereo broadcast sound switches on and off or	 The connection is loose or the cable is damaged. 	Check the antenna cable and connection on the TV, VCR and on the wall.	4
is distorted.	 The antenna direction needs adjustment. 	Adjust the antenna direction. Contact a Sony dealer for advice.	-
The sound switches between stereo and monaural frequently. (Except KV- ES34M80)	The broadcast signal has a transmission problem.	Press A/B until a better sound is heard.	23
"100?" appears at the top of the screen after approximately 10 seconds and there is no Teletext display.	The channel carries no Teletext broadcast. (KV-ES34M31/ ES34M61 only)	-	25
Teletext display is incomplete	Connection is loose or the cable is damaged.	Check the antenna cable and connection on the TV, VCR, and at the wall.	4
(snowy picture or double images). (KV-ES34M31/ ES34M61 only)	The antenna direction is inappropriate.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Signal transmission is too low.	Try using a booster.Use the fine tuning (FINE) function.	- 44
Picture slant	Terrestrial magnetism is affecting your TV set.	Display the "SET UP" menu and adjust "PIC ROTATION" so that the picture is aligned to the TV screen.	39
Lines moving across the TV screen.	There is interference from external sources, e.g., heavy machineries, nearby broadcast station.	Use the fine tuning ("FINE") function.	44
The (1) indicator on your TV flashes red a number of times between 3-second intervals.	Your TV may need servicing.	Contact your nearest Sony service center.	45

continued

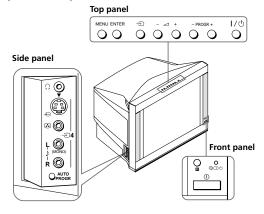
Additional Information | 47

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Symptom	Possible cause	Solutions	Page
TV cabinet creaks.	Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.	_	-
A small "boom" sound is heard when the TV is turned on.	The TV's demagnetizing function is working. This does not indicate a malfunction.	_	-
		_	-

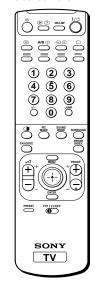
Identifying parts and controls

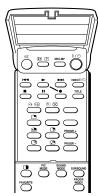
Front, top and side panels



Button	Function	Page
Side panel		
Ω	Headphone jack.	-
AUTO PROGR	Preset channels automatically.	5
Front panel		
0	Turn off completely or turn on the TV.	10
Top panel		
1/0	Turn off temporarily or turn on the TV.	10
PROGR +/-	Select program number.	10
⊿+/-	Adjust volume.	11
€	Select TV or video input.	11
ENTER	Confirm selected items.	31
MENU	Display the menu.	31

Remote control





The names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

Label color	Button function
White	For general TV operations
Green	For Teletext operations (KV-ES34M31/ES34M61 only)
Yellow	For PIP operations

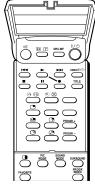
Function

Button

		- 1
1/0	Turn off temporarily or turn on the TV.	10
PROGR +/-	Select program number.	10
0 – 9, -/	Input numbers.	10
i +	Display on-screen information.	11
n*	Mute the sound.	11
0	Display the TV program.	11
€	Select TV or video input.	11
⊿ +/-	Adjust volume.	11
JUMP	Jump to previous channel.	11
Timer operations		
(Set TV to turn on automatically.	13
©	Set TV to turn off automatically.	13
SOUND MODE	Select sound mode.	14
PIC MODE	Select picture mode.	14
DRC-MF	Select DRC-MF mode.	15
Favorite Channel	operations	
FAVORITE	Display favorite channels.	16
•	Select desired channel.	16
PIP and Twin pict	ure operations	
•	Display the PIP screen.	17
0	Display TWIN pictures.	17
(Adjust Twin picture size.	18
PROGR +/	Change program in PIP/	18
PROGR –	Twin picture.	
<u>.</u>	Select video input for PIP/ Twin picture.	18
2	Swap main and PIP/Twin picture.	18
<u> </u>	Freeze PIP screen.	18
•	Adjust position of PIP screen.	18

Identifying parts and controls (continued)





Button	Function	Page
Program Index ope	erations	
PROGR INDEX	Display all preset TV programs.	19
PROGR +/-	View next/previous 12 TV programs.	20
(Select desired channel.	20
SURROUND	Select surround mode.	22
	perations (Except KV-ES34M8)	
A/B	Select stereo/bilingual mode.	23
Teletext operation	s (KV-ES34M31/ES34M61 only)
	Display Teletext broadcast.	25
(i)	Display Teletext service contents.	26
(Stop Teletext page from scrolling.	26
?	Reveal concealed information.	26
•	Enlarge the Teletext display.	26
\boxtimes	Show TV screen while waiting for Teletext page.	26
0 - 9	Input Teletext page number.	26
PROGR +/-	Display the next or previous page.	26
(red, green, yellow, blue)	Access a FASTEXT menu.	26
Optional compone	ents operations	
VTR	Set up the remote.	27
VIDEO I / 🖰	Power.	28
TITLE	Display the title menu.	28
	Play.	28
▶ ▶I	Fast forward/Search forward.	28
	D : 1/C 11 1 1	20
 ◀◀	Rewind/Search backward.	28

VTR	Set up the remote.	27
VIDEO I / 🖰	Power.	28
TITLE	Display the title menu.	28
	Play.	28
▶ ▶I	Fast forward/Search forward.	28
I ◀◀	Rewind/Search backward.	28
•	Record.	28
	Stop.	28
II	Pause.	28
Menu operations		

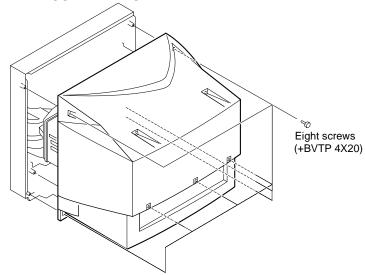
Menu operations			
	MENU	Display the menu.	31
	•	Select, adjust and confirm selected items.	31
	ENTER	Confirm selected items.	31
PRESET		Display "MANUAL PROGRAM" menu.	43

continued

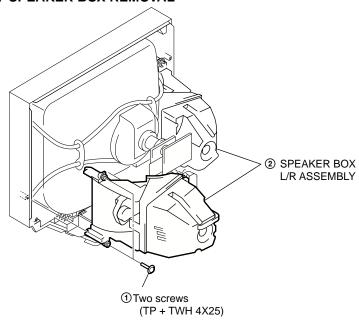
Page

SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

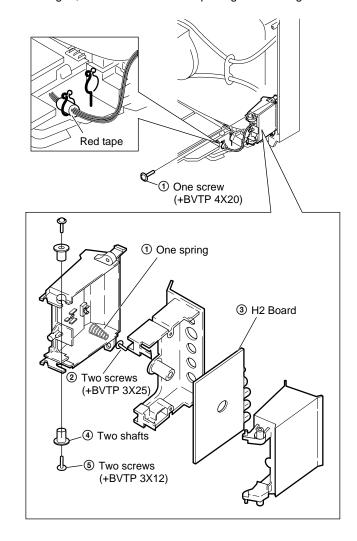


2-2. SPEAKER BOX REMOVAL

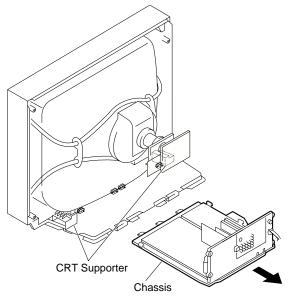


2-3. H2 BOARD REMOVAL

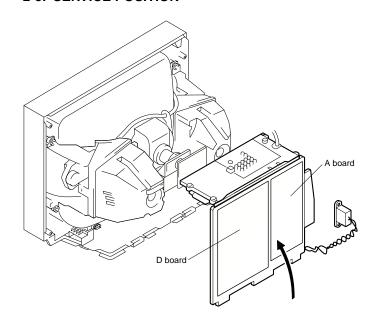
Caution: Please make sure that the red colour taped point is just placed with the purse lock when treating the leads to H2 board. If lead treatment is wrongly arranged, it will affect the door opening and closing malfunction.

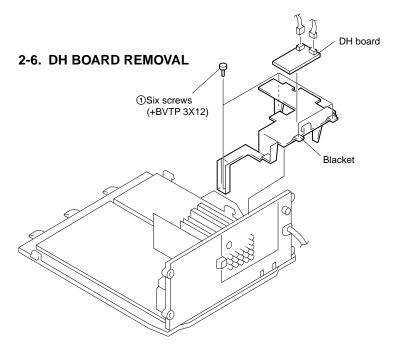


2-4. CHASSIS ASSY REMOVAL

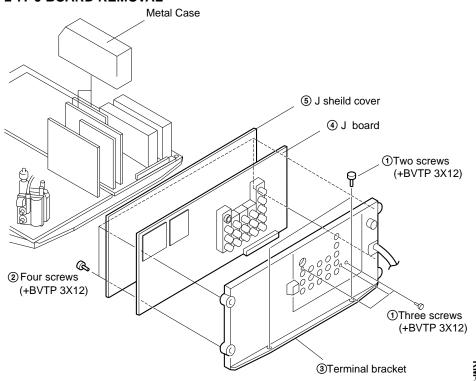


2-5. SERVICE POSITION



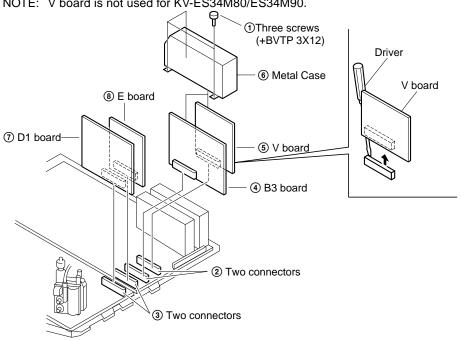


2-7. J BOARD REMOVAL

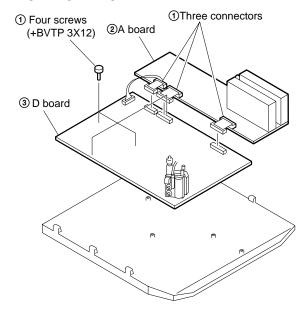


2-8. B3, D1 AND E BOARDS REMOVAL

NOTE: V board is not used for KV-ES34M80/ES34M90.

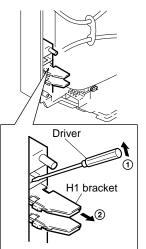


2-9. A AND D BOARDS REMOVAL



2-10. H1 BOARD REMOVAL

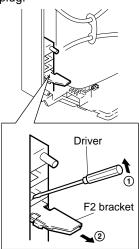
Push the hook down using the tip of a screwdriver and at the same time NOTE: pull the H1 bracket.



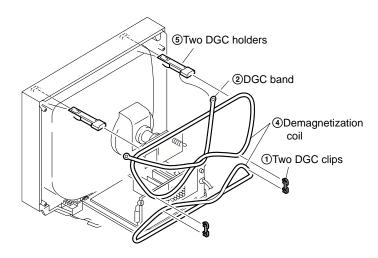
2-11. F2 BOARD REMOVAL

NOTE: To remove F2 board, firstly remove the H1 board. Then, push the hook down using the tip of a screwdriver and at the same time pull the F2 bracket.

Caution: When removing the F2 board, please turn off the main AC supply and disconnect the AC plug.

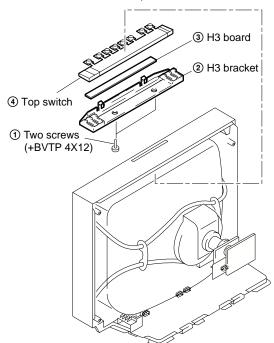


2-12. DEMAGNETIZATION COIL REMOVAL



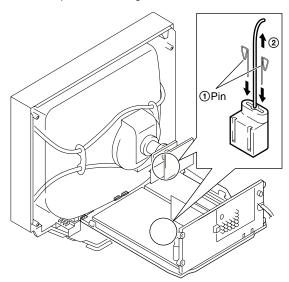
2-13. TOP SWITCH REMOVAL (H3 BOARD REMOVAL)

NOTE: To remove H3 board, the CRT has to be removed first.



2-14. G2 LEAD REMOVAL

NOTE: Insert pin to both edge holes on socket and release the lock.

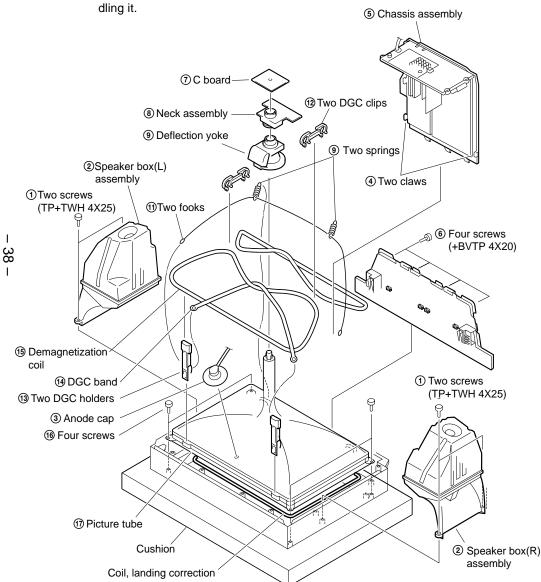


2-15. PICTURE TUBE REMOVAL

NOTE: i) The picture tube for OCE model is upside-down, and the position for the anode-cap and springs are changed accordingly.

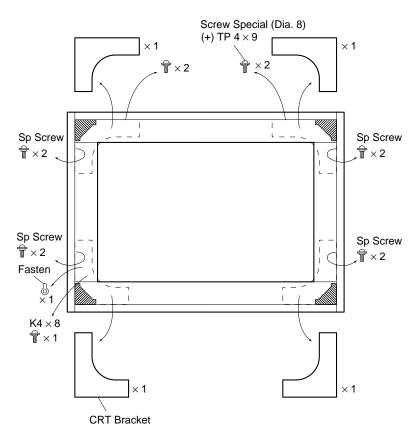
ii) Prior to picture tube removal, please remove the front cover first.

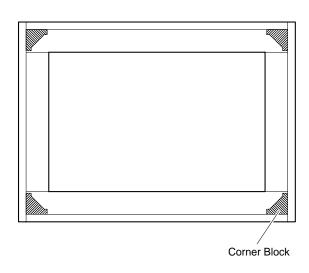
Caution : Aluminium frame is easily scratched if extra caution is not taken when han-



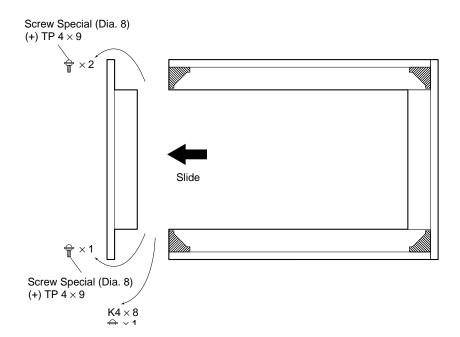
2-16. FRAME SUB-ASSY DISASSEMBLY

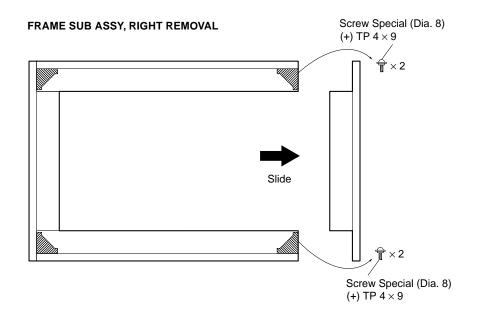
(1)

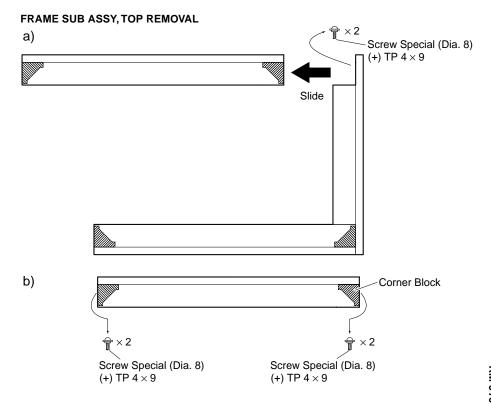




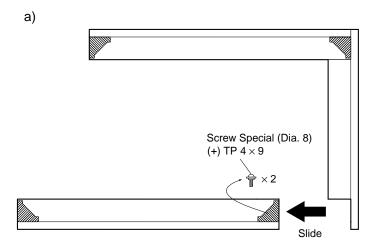
FRAME SUB ASSY, LEFT REMOVAL

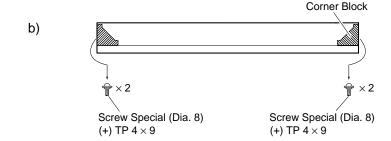






FRAME SUB ASSY, BOTTOM REMOVAL



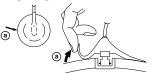


NOTE: When replacing the Frame Sub-Assy Top and Bottom, fix the original corner block to the new part.

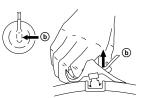
• REMOVAL OF ANODE-CAP

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

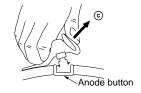
REMOVING PROCEDURES



1 Turn up one side of the rubber cap in the direction indicated by the arrow a.



2 Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b).

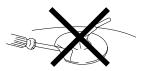


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©.

HOW TO HANDLE AN ANODE-CAP

- ① Do not damage the surface of anode-caps with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- 3 Do not turn the foot of rubber over too hard. The shatter-hook terminal will stick out or damage the rubber.

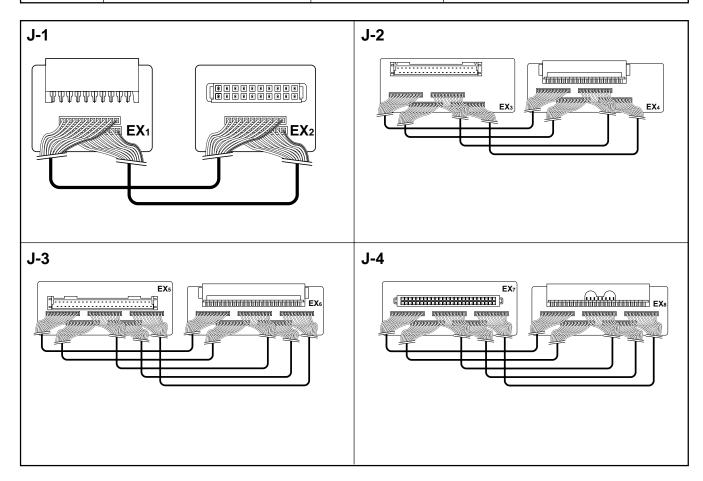




SECTION 3 SERVICE JIG

3-1. JIGS REQUIRED FOR SERVICING

REF NO.	DESCRIPTION	PART NO.	REMARK
J-1	TOOL (20P), SERVICE	3-702-763-01	For A to V board extension
J-2	TOOL (40P), SERVICE	3-702-764-01	For A to E board extension
J-3	TOOL (50P-A), SERVICE	3-702-765-01	For A to B3 board extension
J-4	TOOL (50P-J), SERVICE	3-702-766-01	For A to J board extension For D to D1 board extension



RM-916

SECTION 4

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Perform the adjustments in the following order:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

4-1. BEAM LANDING

1. Input a white signal with the pattern generator.

 $\left. \begin{array}{c} Contrast \\ Brightness \end{array} \right\} \ normal$

- 2. Position neck assy as shown in Fig4-1.
- 3. Set the pattern generator raster signal to a green raster.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.

(See Figures 4-1 through 4-3.)

- 5. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 4-2.)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.

(See Figure 4-4.)

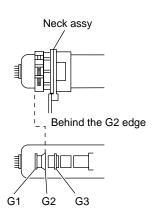


Fig. 4-1

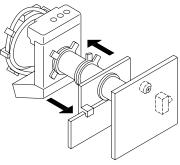


Fig. 4-2

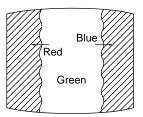


Fig. 4-3

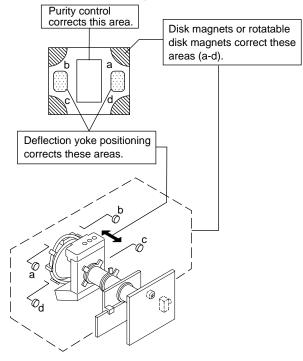


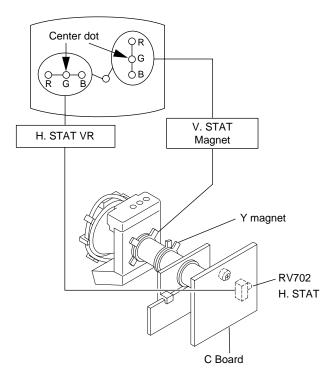
Fig. 4-4

4-2. CONVERGENCE ADJUSTMENT

Preparation:

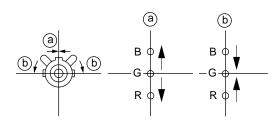
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Set the PICTURE and BRIGHTNESS 50%.
- Cross hatch / Dot pattern.

(1) Horizontal and Vertical Static Convergence

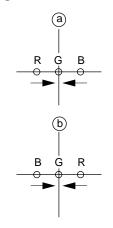


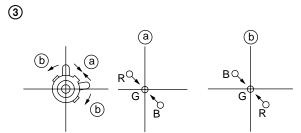
- (Moving horizontally), adjust the H.STAT control so that the red, green and blue dots are on top of each other at the center of the screen.
- (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen
- 3. Adjust Horizontal Trapezoid with "DAC 04 HTR" in Service Mode to make H-Trapezoid distortion best.
- 4. If the H.STAT variable resistor cannot bring the red, green and blue dots together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other, so be sure to perform adjustments while tracking.)

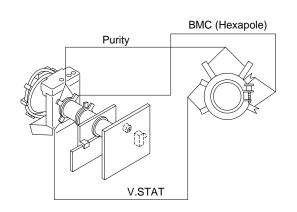
① V. STAT



② H. STAT VR

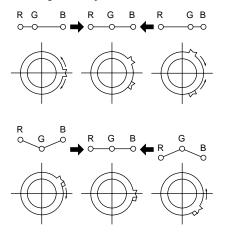




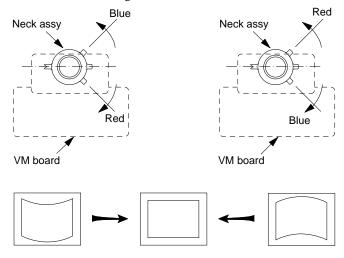


4 BMC (Hexapole) Magnet.

If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.



- (5) Y separation axis correction magnet adjustment.
- 1. Receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .
- Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



Note

- The Red and Blue magnets should be equally far from the horizontal center line.
- Do not separate the Red and Blue magnets too far. (Less than 8 mm)

(2) Dynamic Convergence Adjustment

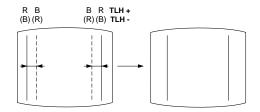
Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence
- Set the PICTURE and BRIGHTNESS to normal.

1. Adjust TLH. (TLH correction piece)

- ① Receive the dot/hatch pattern signal and adjust picture quality by the menu.
- ② Correct horizontal mis-convergence of red and blue of both sides on the X axis.

When red is outside insert BMC magnet to right side (THL+) views from DY neck. And when blue is outside, insert it to left side (THL-) and take both sides.

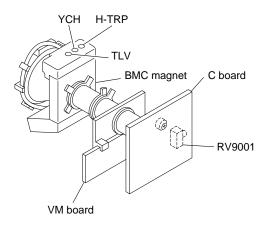


2. Adjust V TILT-TLV (TLV 34")

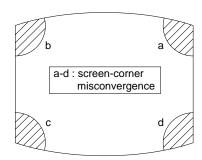
Correct the vertical mis-convergence of red and blue of vertically sides on the Y axis.

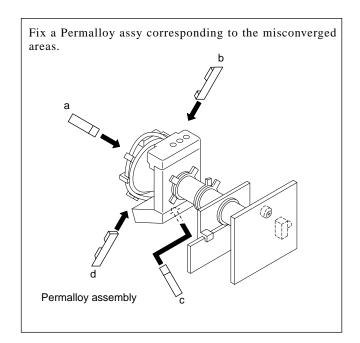
3. Adjust YCH.

Adjust horizontal mis-convergence of red and blue of vertically sides on the Y axis. Mentioned above steps 2 to 4 are adjusting respectively perform minuteness tracking.



(3) Screen-corner Convergence



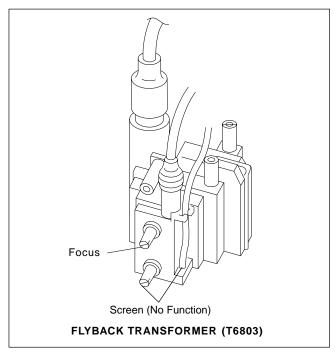


4-3. FOCUS ADJUSTMENT

Note

Focus adjustment should be completed before W/B adjustment.

- (1) Receive digital monoscope pattern.
- (2) Set "A/V CONTROL" to "STANDARD".
- (3) Adjust FOCUS VR so that the center of the screen becomes justfocus.
- (4) Change the receiving signal to white pattern and blue back.
- (5) Confirm MAGENTA RING should not be over the limit sample. In case MAGENTA RING is over the limit sample, adjust FOCUS VR to take tracking of MAGENTA RING and FOCUS.



4-4. NECK ASSYTWIST ADJUSTMENT

- (1) Receive dot/hatch pattern.
- (2) Turn FOCUS VR fully counter-clockwise.
- (3) Confirm the dot shape at the screen center. (Fig. 4-4)
- (4) Resume FOCUS VR.

Note

In case of turning NECK ASSY, loosen the screw 3 turns. Do not move the position.

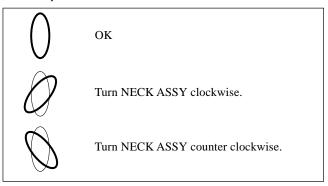
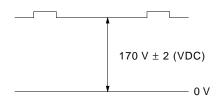


Fig. 4-4

4-5. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G and B of the C board cathode to the oscilloscope.
- 4) Adjust BRIGHTNESS to obtain the cathode voltage to the value below.
- 5) Whilst watching the picture, adjust the screen VR (RV9002) located on the C board to the point just before the flyback return lines disappear (to the point before cut-off).



2. WHITE BALANCE ADJUSTMENT

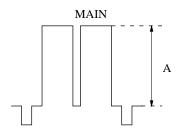
- Set to Service Mode (Refer Section 5-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input white raster signal.
- Set the following condition.
 PICTURE minimum, BRIGHTNESS 50%
- 4) Select GCT (WHB 7) and BCT (WHB 8) with 1 and 4, and adjust the level with 3 and 6 for the best white balance.
- 5) Set the PICTURE to maximum.
- 6) Select GDR (WHB 4) and BDR (WHB 5) with 1 and 4, and adjust the level with 3 and 6 for the best white balance.
- 7) Write into the memory by pressing MUTING then 0.

3. SUB PICTURE BRIGHTNESS ADJUSTMENT

- 1) Tune RF PAL white signal at program No. 1 and No. 2.
- 2) Select "TWIN PICTURE" mode.
- 3) Receive different RF PAL white signals in MAIN and Sub picture.
- 4) Adjust RV3300 on A PWB, so that the output from the 17 pin and 20 pin of the CN1180 becomes within the spec.

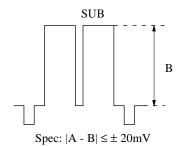
CVBS 1

17 pin



CVBS 2

20 pin



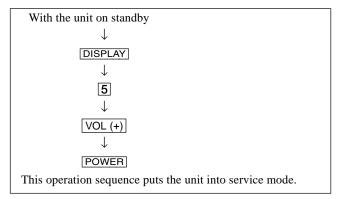
SECTION 5

CIRCUIT ADJUSTMENTS

5-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-916 that comes with this unit.

a. ENTERING SERVICE MODE



b. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press POWER button on the commander), then press POWER button again, hereupon it becomes TV mode.

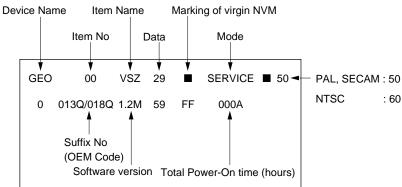
c. METHOD OF WRITE INTO MEMORY

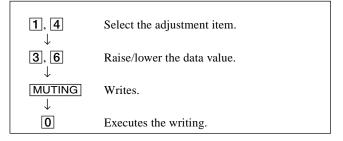
- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustment.
- 3) Press MUTING button and it will indicate WRITE on the screen.
- 4) Press O button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again to confirm adjustments were made.

The screen display is:



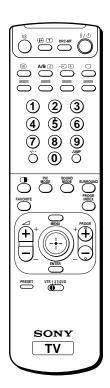


7, 0 All the data becomes the values in memory. 8,0 All user control goes to the standard state.

5, 0 Service data initialization (Be sure not to use usually.)

DISPLAY, 0 Write 50Hz adjustment data to 60Hz, or vice

2, 0 Copy and write all data.



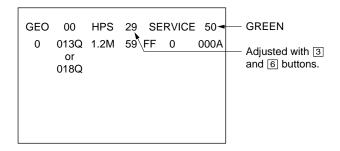
RM-916

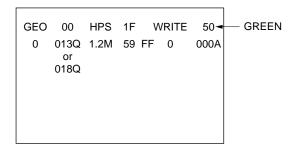
5-2. ADJUSTMENT METHOD

Item Number 00 of device GEO

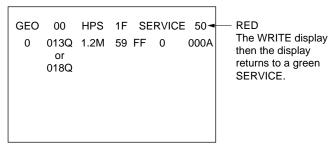
This explanation uses H-Position as an example.

- 1. Select "GEO 00 VSZ" with the **1** and **4** buttons.
- 2. Raise/lower the data with the **3** and **6** buttons.
- $3. \quad Select the optimum \, state. \, (The \, standard \, is \, 1F \, for \, PAL \, reception.)$
- 4. Write with the MUTING button. (The display changes to WRITE.)
- 5. Execute the writing with the ① button. (The WRITE display will be changed to red color while excuting, and back to SERVICE.)





Written with MUTING



Write executed with 0

Use the same method for all Items. Use $\boxed{1}$ and $\boxed{4}$ to select the adjustment item, use $\boxed{3}$ and $\boxed{6}$ to adjust, write with $\boxed{\text{MUTING}}$, then execute the write with $\boxed{0}$.

Note: 1. In WRITE, the data for all items are written into memory together.

- 2. For adjustment items that have different standard data between 50Hz or 60Hz, be sure to use the respective input signal after adjustment.
- 3. Additional function to skip category (device) to category (device).

The buttons for the function above should be cursor +/-.

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
GEO	00	VSZ	21	3F	V SIZE	FF/R4/PR*50/60*VC/NC, TW/IX	11 (7-2)	CXA2100AQ (86H)	369 (7-2)
	01	VPS	27	3F	V POSITION	FF/R4/PR*50/60*VC/NC, TW/IX	12 (7-2)	,	354 (7-2)
	02	VLN	5	0F	V LINEARITY	FF/R4/PR*50/60*VC/NC	13 (7-4)		95 (3-0)
	03	sco	0A	0F	S CORRECTION	FF/R4/PR*50/60*VC/NC	13 (3-0)		95 (7-4)
	04	HSZ	1E		H SIZE	FF/R4/PR*50/60*VC/NC, TW/IX	14 (7-2)		36A (7-2)
	05	HPS	2F	3F	H POSITION	FF/R4/PR*50/60*VC/NC, TW/IX	19 (7-2)		355 (7-2)
	06	PAP	28		PIN AMP	FF/R4/PR*50/60*VC/NC	15 (7-2)		98 (7-2)
	07	UPN	25	3F	UPPER CORNER PIN	FF/R4/PR*50/60*VC/NC	16 (7-2)		99 (7-2)
	08	LPN	23	3F	LOWER CORNER PIN	FF/R4/PR*50/60*VC/NC	17 (7-2)		9D (7-2)
	09	TRZ	0C	0F	TRAPEZIUM	FF/R4/PR*50/60*VC/NC, TW/IX	18 (7-4)		36B (7-4)
	0A	AGL	0A	0F	AFC ANGLE	FF/R4/PR*50/60*VC/NC	1A (3-0)		9B (3-0)
	0B	BOW	6	0F	AFC BOW	FF/R4/PR*50/60*VC/NC	1A (7-4)		9B (7-4)
	0C	LBL	12	3F	LEFT H BLANKING	FF/R4/PR*50/60*VC/NC, TW/IX	1B (7-2)		9C (7-4)
	0D	RBL	2C	3F	RIGHT H BLANKING	FF/R4/PR*50/60*VC/NC, TW/IX	1C (7-2)		9C (3-0)
	0E	MPN	0	3	MIDDLE PIN DISTORTION COMPENSATION	50/60*VC/NC	16 (1-0)		, ,
	0F	UVL	0	0F	UPPER V LINEARITY	50/60Hz	1F (7-4)		
	10	LVL	0	0F	LOWER V LINEARITY	50/60Hz	1F (3-0)		
	11	HCP	0	3	HORIZONTAL HIGH VOLTAGE COMPENSATION	50/60*VC/NC	15 (1-0)		
	12	VCP	1	3	VERTICAL HIGH VOLTAGE COMPENSATION	50/60*VC/NC	12 (1-0)		
	13	VAS	2F	3F	V ASPECT	50/60*VC/NC	1D (7-2)		
	14	VSC	1F	3F	V SCROLL	50/60Hz	1E (7-2)		
	15	USC	0	1	UNDER-SCAN MODE ON/OFF	50/60*VC/NC	1D (0)		
	16	VBW	0	3	V BLANKING WIDTH CONTROL	FF/R4/PR*50/60*VC/NC	19 (1-0)		6D (1)
	17	AT1	2	3	AKB REFERENCE TIMING	FF/R4/PR*50/60*VC/NC	1E (1-0)		
DAC	00	HCT	33	FF	H CENTER	50/60Hz	CH 10 (7-0)	MB88141 (96H)	
	01	HLN	27	3F	H LINEARITY	FF/R4/PR*50/60*VC/NC	CH 4 (7-2)		
	02	MDP	26		MIDDLE PIN	FF/R4/PR*50/60*VC/NC	CH 1 (7-2)		
	03	CCP	37		LOWER CORNER PIN	FF/R4/PR*50/60*VC/NC	CH 9 (7-2)		
	04	HTR	26	3F	HORIZONTAL TRAPEZIUM	FF/R4/PR*50/60*VC/NC	CH 6 (7-2)		
	05	DF	01	1	DF ON/OFF SWITCH	FF/R4/PR*50/60*VC/NC	CH 2 (7-0)		
	06	DPH	1F	3F	DF PHASE	FF/R4/PR*50/60*VC/NC	CH 3 (7-2)		
	07	QPH	19	3F	QP PHASE	FF/R4/PR*50/60*VC/NC	CH 7 (7-2)		
	08	QAC	23	3F	QP AMPLITUDE	FF/R4/PR*50/60*VC/NC	CH 8 (7-2)		
	09	QDC	20	3F	QP DC LEVEL	FF/R4/PR*50/60*VC/NC	CH 12 (7-2)		
	0A	QDV	1F	3F	QP V MODULATION	FF/R4/PR*50/60*VC/NC	CH 5 (7-2)		
	0B	QAV	1A	3F	QP AMPLITUDE MODULATION	FF/R4/PR*50/60*VC/NC	CH 11 (7-2)		
	0C	ABC	_0_	FF	ABL D/A CONTROL	ECO ON/OFF*VC/NC	L	L	
WHB	00	СВО	7	0F	DC OFFSET CANCELLER FOR CB1		0F (7-4))	CXA2100AQ(86H)	106

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
Ī	No.	Name	Data				(Bit Range)	Address	(Bit Range)
WHB	01	CRO	7	0F	DC OFFSET CANCELLER FOR CR1		0F (3-0)	CXA2100AQ(86H)	
	02	SBR	18	3F	SUB BRIGHTNESS CONTROL		09 (7-2)		107
	03	RDR	29	3F	R DRIVE		06 (7-2)		A1 (7-2)
	04	GDR	25	3F	G DRIVE		07 (7-2)		A2 (7-2)
	05	BDR	26	3F	B DRIVE		08 (7-2)		A3 (7-2)
	06	RCT	29		R CUTOFF		0A (7-2)		A5 (3-0)
	07	GCT	12	3F	G CUTOFF		0B (7-2)		A6 (7-4)
	08	ВСТ	31		B CUTOFF		0C (7-2)		A6 (3-0)
	09	SBO	29	3F	SUB BRIGHTNESS OFFSET	PICTURE MODE EXCEPT DYNAMIC	09 (7-2)		A3 (7-2)
	0A	RDO	1F	3F	R DRIVE OFFSET	PICTURE MODE EXCEPT DYNAMIC	06 (7-2)		A5 (3-0)
	0B	GDO	1A	3F	G DRIVE OFFSET	PICTURE MODE EXCEPT DYNAMIC	07 (7-2)		A6 (7-4)
	0C	BDO	1A	3F	B DRIVE OFFSET	PICTURE MODE EXCEPT DYNAMIC	08 (7-2)		A6 (3-0)
	0D	RCO	1F	3F	R CUTOFF OFFSET	PICTURE MODE EXCEPT DYNAMIC	0A (7-2)		106
	0E	GCO	1E	3F	G CUTOFF OFFSET	PICTURE MODE EXCEPT DYNAMIC	0B (7-2)		
	0F	всо	15	3F	B CUTOFF OFFSET	PICTURE MODE EXCEPT DYNAMIC	0C (7-2)		107
SAJ	00	PIC	3F	3F	PICTURE CONTROL	PICTURE MODE EXCEPT PERSONAL	01 (7-2)	CXA2100AQ(86H)	105
	01	BRT	1F	3F	BRIGHTNESS CONTROL	PICTURE MODE EXCEPT PERSONAL	04 (7-2)	, ,	
	02	COL	27	3F	COLOR CONTROL	PICTURE MODE EXCEPT PERSONAL	03 (7-2)		
	03	HUE	1F	3F	HUE CONTROL	PICTURE MODE EXCEPT PERSONAL	02 (7-2)		
	04	SHP	24	3F	SHARPNESS CONTROL	PICTURE MODE EXCEPT PERSONAL	05 (7-2)		
	05	VML	3	3	VM LEVEL	PICTURE MODE	09 (1-0)		105
	06	DYC	1	1	DYNAMIC COLOR ON/OFF	PICTURE MODE	00 (3)		108
	07	CTM	0	1	COLOR TEMPERATURE FOR DYNAMIC COLOR	PICTURE MODE	00 (0)		109
	80	CAX	2	3	COLOR MATRIX SPECIFICATION	50/60Hz	00 (2-1)		10A
	09	GMA	3	3	GAMMA CORRECTION	PICTURE MODE	04 (1-0)		
	0A	DCT	1	3	DC TRANSMISSION CONTROL	PICTURE MODE	0C (1-0)		
	0B	DPL	1	3	AUTO PEDESTAL LEVEL CONTROL	PICTURE MODE	0B (1-0)		
	0C	ABM	0	3	ABL MODE CONTROL	PICTURE MODE	08 (1-0)		
	0D	ABT	0	3	ABL CURRENT DETECTION VTH CONTROL	ECO ON/OFF*VC/NC	07 (1-0)		
	0E	CLO	9	0F	COLOR OFFSET	50/60*TV/VIDEO	03 (7-2)		
	0F	CLW	3	7	COLOR STEP WIDTH TO THE CHANGE OF S/N		03 (7-2)		
	10	HUO	9	0F	HUE OFFSET	50/60*TV/VIDEO	02 (7-2)		
	11	SHO	7	1F	SHARPNESS OFFSET	50/60*TV/VIDEO/DVD	05 (7-2)		
	12	SHW	1	7	SHARPNESS STEP WIDTH TO THE CHANGE OF S/N		05 (7-2)		
	13	PIO	5	7	PICTURE OFFSET FOR TWIN/INDEX	TWIN/INDEX	01 (7-2)		
	14	BRO	7_	_0F	BRIGHTNESS OFFSET	ECO ON/OFF*VC/NC	04 (7-2)	L	
JGL	00	PON	1	1	RGB AND AKB REFERENCE PULSE OUTPUT ON/OFF		00 (7)	CXA2100AQ(86H)	
	01	RGB	7	7	RGB OUTPUT SELECTION		00 (6-4)		

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
JGL	02	AGG	0	3	AGING MODE SELECTION		0E (1-0)	CXA2100AQ(86H)	
	03	DPS	0	1	Y/C DELAY LINE PASS MODE SWITCH		0E (3)	,	
	04	BBT	3		RGB BOTTOM LIMITTER CONTROL		06 (1-0)		
	05	LML	0	3	RGB AMPLITUDE LIMITTER CONTROL		01 (1-0)		
	06	PAB	0F		DC LEVEL FOR PEAK ABL		0E (7-4)		
	07	sco	0C		SUB PICTURE CONTROL		0D (7-4)		
	08	LV2	7		RGB LEVEL FOR RGB2		0D (3-0)		
	09	SF0	1		SHARPNESS CIRCUIT F0	50/60*TV/VIDEO/DVD	0E (2)		
	0A	PRO	Ó	3	PRE/OVER-SHOOT RATIO CONTROL	50/60*TV/VIDEO/DVD	0A (1-0)		
	0B	LTI	2		LUMINANCE TRANSIENT IMPROVEMENT	PICTURE MODE	05 (1-0)		
	0C	CTI	1		CHROMINANCE TRANSIENT IMPROVEMENT	PICTURE MODE	03 (1-0)		
YCT	00	TNT	1F	3F	TINT ADJUSTMENT FOR NTSC		00 (5-0)	CXA2123Q(88H)	
	01	PNG	0	1	PAL/NTSC GATE WIDTH	11,11523	00 (6)	07012120Q(0011)	
	02	PNI	0	1	PAL/NTSC SENSITIVITY SW		00 (7)		
	03	SCL	7		SUB COLOR CONTROL	50/60*TV/VIDEO	01 (3-0)		
	04	SCT	8		SUB CONTRAST CONTROL	50/60*TV/VIDEO	01 (7-4)		
	05	SF0	2		SHARPNESS CENTER FREQUENCY CHANGING	00,00,	02 (1-0)		
	06	SEQ	3	3	SHARPNESS EQUALIZER CHARACTERISTIC		02 (3-2)		
	07	SHG	5	0F	SHARPNESS GAIN CONTROL	50/60*TV/VIDEO/DVD	02 (7-4)		
	08	YOL	1F		Y-OUTPUT LEVEL CONTROL		03 (5-0)		
	09	BSP	0		BLACK STRETCH START POINT CHANGING		03 (7-6)		
	0A	COL	1F		CB/CR OUTPUT LEVEL CONTROL		04 (5-0)		
	0B	DCR	0		DC RESTORATION RATIO ADJUSTMENT		04 (7-6)		
	0C	BF0	1		BPF/TQF F0 ADJUSTMENT		05 (1-0)		
	0D	BFQ	2		BPF/TQF Q ADJUSTMENT		05 (3-2)		
	0E	FSW	1		BPF/TQF SWITCH		05 (4)		
	0F	SDT	1	1	SECAM DOUBLE TRAP SWITCH		05 (6)		
	10	LPF	1	1	Y/CB/CR LPF SWITCH		05 (7)		
	11	YDL	6	0F	Y-DL TIME ADJUSTMENT	2DCOMB/3DCOMB/S-INPUT/OTHERS	06 (6-3)		
	12	CMT	0	1	CB/CR OUTPUT MUTE SWITCH		07 (7)		
	13	BO1	7	0F	CB OFFSET1 ADJUSTMENT (MAIN ROUTE)		08 (7-4)		
	14	RO1	7		CR OFFSET1 ADJUSTMENT		08 (3-0)		
	15	CDF	0		V COUNT DOWN FREQUENCY SWITCH		0A (2-0)		
	16	CDM	0		V COUNT DOWN JUDGE SWITCH		0A (4-3)		
	17	AFC	0		AFC SENSITIVITY SWITCH	(TV/VIDEO/DVD)	0A (6-5)		
	18	MVM	0	1	MACROVISION MASK + AFC MASK	,	0A (7)		
	19	SRY	7		SECAM R-Y BLACK ADJUSTMENT		0B (3-0)		
	1A	SBY	1		SECAM B-Y BLACK ADJUSTMENT		0B (7-4)		
	1B	BEL	2		SECAM BELL/HPF SWITCHING		0C (1-0)		
	1C	BLF	0		BELL F0 ADJUSTMENT		0C (2)		
	1D	SVI	0	1	SECAM V-ID SWITCH		0C (3)		
	1E	SGP	0	3	SECAM GATE POSITION ADJUSTMENT		0C (5-4)		

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
YCT	1F	SID	1	1	SECAM SENSITIVITY SWITCH	EXCEPT SECAM	0C (6)	CXA2123Q(88H)	
-	20	SIH	0	1	SECAM INHIBITION SWITCH		0C (7)	, ,	
	21	STP	0	1	Y BLACK LEVEL SETUP FOR PAL PLUS		0D (1)		
	22	HVC	2	3	H-VCO TEMPERATURE CHARACTER CANCELLING		0D (7-6)		
	23	3NR	1	1	3D NR OPERATION ON/OFF				
	24	BW6	1	1	3D NR FOR 60Hz NON-BUST SIGNAL ON/OFF				
	25	WSH	Ó	3	SHARPNESS GAIN STEP FOR NOISE REDUCTION		02 (7-4)		
	26	WCO	Ö	3	CB/CR OUTPUT LEVEL STEP FOR NOISE REDUCTION		04 (5-0)		
SYC	00	TNT	1F	3F	TINT ADJUSTMENT FOR NTSC		00 (5-0)	CXA2123Q(8AH)	T — — — — —
	01	PNG	0	1	PAL/NTSC GATE WIDTH		00 (6)		
	02	PNI	0	1	PAL/NTSC SENSITIVITY SW		00 (7)		
	03	SCL	7	0F	SUB COLOR CONTROL	50/60*TV/VIDEO/DVD	01 (3-0)		
	04	SCT	7	0F	SUB CONTRAST CONTROL	50/60*TV/VIDEO/DVD	01 (7-4)		
	05	SF0	2	3	SHARPNESS CENTER FREQUENCY CHANGING		02 (1-0)		
	06	SEQ	3	3	SHARPNESS EQUALIZER CHARACTERISTIC		02 (3-2)		
	07	SHG	7	0F	SHARPNESS GAIN CONTROL		02 (7-4)		
	08	YOL	1F	3F	Y-OUTPUT LEVEL CONTROL		03 (5-0)		
	09	BSP	0	3	BLACK STRETCH START POINT CHANGING		03 (7-6)		
	0A	COL	1F	3F	CB/CR OUTPUT LEVEL CONTROL		04 (5-0)		
	0B	DCR	0	3	DC RESTORATION RATIO ADJUSTMENT		04 (7-6)		
	0C	BF0	1	3	BPF/TQF F0 ADJUSTMENT		05 (1-0)		
	0D	BFQ	2	3	BPF/TQF Q ADJUSTMENT		05 (3-2)		
	0E	FSW	1	1	BPF/TQF SWITCH		05 (4)		
	0F	SDT	1	1	SECAM DOUBLE TRAP SWITCH		05 (6)		
	10	LPF	1	1	Y/CB/CR LPF SWITCH		05 (7)		
	11	YDL	3	0F	Y-DL TIME ADJUSTMENT	PAL/NTSC/SECAM/S-INPUT	06 (6-3)		
	12	NCM	1	1	1-H ADDITION SWITCH		06 (7)		
	13	CMT	0	1	CB/CR OUTPUT MUTE SWITCH		07 (7)		
	14	BO1	7	0F	CB OFFSET1 ADJUSTMENT (MAIN ROUTE)		08 (7-4)		
	15	RO1	7	0F	CR OFFSET1 ADJUSTMENT		08 (3-0)		
	16	CDF	0	7	V COUNT DOWN FREQUENCY SWITCH		0A (2-0)		
	17	CDM	0	3	V COUNT DOWN JUDGE SWITCH		0A (4-3)		
	18	AFC	0	3	AFC SENSITIVITY SWITCH	(TV/VIDEO/DVD)	0A (6-5)		
	19	MVM	0	1	MACROVISION MASK + AFC MASK		0A (7)		
	1A	SRY	7	0F	SECAM R-Y BLACK ADJUSTMENT		0B (3-0)		
	1B	SBY	1	0F	SECAM B-Y BLACK ADJUSTMENT		0B (7-4)		
	1C	BEL	2	3	SECAM BELL/HPF SWITCHING		0C (1-0)		
	1D	BLF	0	1	BELL F0 ADJUSTMENT		0C (2)		
	1E	SVI	0	1	SECAM V-ID SWITCH		0C (3)		

Category		onality		Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
SYC	1F	SGP	0	3	SECAM GATE POSITION ADJUSTMENT		0C (5-4)	CXA2123Q(8AH)	
	20	SID	1	1	SECAM SENSITIVITY SWITCH	EXCEPT SECAM	0C (6)	` ′	
	21	SIH	0	1	SECAM INHIBITION SWITCH		0C (7)		
	22	STP	0	1	Y BLACK LEVEL SETUP FOR PAL PLUS		0D (1)		
	23	HVC	2	3	H-VCO TEMPERATURE CHARACTER CANCELLING		0D (7-6)		
AP	00	BAS	0A	0F	BASS CONTROL	SOUND MODE EXCEPT PERSONAL	#4 (3-0)	TDA7315(80H)	358 (1-0)
	01	TRE	0A	0F	TREBLE CONTROL	SOUND MODE EXCEPT PERSONAL	#5 (3-0)		359 (1-0)
	02	LDN	_1_	1_1_	LOUDNESS ON/OFF		#3 (2)		
MSP	00	WST	15	FF	W/G STEREO THRESHOLD			MSP3415D(84H)	165
	01	WBT	EA	FF	W/G BILINGUAL THRESHOLD				166
	02	WLL	5	FF	W/G MONAURAL THRESHOLD				167
	03	WAC	1	0F	W/G AGREEMENT COUNT				168
	04	WDL	30	FF	W/G SEARCH DELAY				169
	05	NDL	20	FF	NICAM SEARCH DELAY				16A
	06	SDL	10	FF	STEREO STATUS READ DELAY				16B
	07	AGC	1	1	AGC SWITCH AUTO/CONSTANT		00BB (7)		116 (7)
	08	REL	28	3F	AGC GAIN AT CONSTANT MODE		00BB (6-1)		116 (6-1)
	09	CRM	0	1	CARRIER MUTING ON/OFF		00BB (9)		115 (1)
	0A	ACO	1	1	AUDIO CLOCK ON/OFF		0083 (5)		11A (5)
	0B	FP	1B	7F	FM PRESCALE FOR NON-M SYSTEM		000E (7-0)		329
	0C	FPM	32	7F	FM PRESCALE FOR M SYSTEM		000E (7-0)		32A
	0D	FH	2D	7F	FM PRESCALE FOR HDEV		000E (7-0)		32B
	0E	FHM	65	7F	FM PRESCALE FOR HDEV AND M		000E (7-0)		32C
	0F	WGP	2A	7F	W/G PRESCALE		000E (7-0)		32D
	10	NIP	6D	7F	NICAM PRESCALE		0010 (7-0)		32E
	11	ERR	50	FF	AUTO FM SWITCH THRESHOLD		0021 (10-3)		14F
	12	VOL	6D_	FF	LOUDSPEAKER GAIN 0700H TO 07FFH		0000 (11-4)		368
LTI	00	LDH	1	1	HISTOGRAM SEGMENT SELECTION		00 (2)	TDA9178(40H)	175 (2)
	01	CFS	1	1	CONTOUR FILTER SELECTION		00 (3)		175 (3)
	02	WLB	0	1	LETTERBOX WINDOW SWITCH		00 (5)		175 (5)
	03	VDC	1	1	VIDEO DEPENDENT CORING	PICTURE MODE	00 (6)		175 (6)
	04	DEM	0	1	DEMONSTRATION MODE		00 (7)		175 (7)
	05	CDP	4	07	LUMINANCE DELAY		01 (2-0)		176 (2-0)
	06	OSP	0	1	OVERRULE SMART PEAKING		01 (5)		176 (5)
	07	WPO	0	1	WHITE POINT STRETCH OFF		01 (4)		176 (4)
	08	DSK	0	1	SKIN TONE SWITCH	PICTURE MODE	02 (0)		177 (0)
	09	ASK	0	1	SKIN TONE ANGLE SELECTION		02 (1)		177 (1)
	0A	WSK	0	1	SKIN TONE WIDTH SELECTION		02 (2)		177 (2)
	0B	SSK	0	1	SKIN TONE SIZE SELECTION		02 (3)		177 (3)
	0C	DGR	1	1	GREEN ENHANCEMENT SWICTH	PICTURE MODE & TWIN	02 (4)		A9 (4)
	0D	DGT	7	7	THRESHOLD OF GREEN ENHANCEMENT SWITCH				A9 (7-5)

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
LTI	0E	GGR	0	1	GREEN ENHANCEMENT GAIN		02 (5)	TDA9178(40H)	177 (5)
	0F	WGR	0	1	GREEN ENHANCEMENT WIDTH		02 (6)	,	177 (6)
	10	SGR	0	1	GREEN ENHANCEMENT SIZE		02 (7)		177 (7)
	11	DBL	0	1	BLUE STRETCH SWITCH		03 (0)		178 (0)
	12	GBL	0	1	BLUE STRETCH GAIN SELECTION		03 (1)		178 (1)
	13	SBL	0	1	BLUE STRETCH SIZE SELECTION		03 (2)		178 (2)
	14	CDS	1	1	COLOR DEPENDENT SHARPNESS	PICTURE MODE	03 (3)		A9 (3)
	15	CST	7	7	THRESHOLD OF COLOR DEPENDENT SHARPNESS				A9 (2-0)
	16	CTI	0	1	COLOR TRANSIENT IMPROVEMENT	PICTURE MODE	03 (4)		178 (4)
	17	BON	0	1	BLACK OFFSET COMPENSATION	PICTURE MODE	03 (5)		178 (5)
	18	BTD	0	3F	ADAPTIVE BLACK STRETCH	PICTURE MODE	04 (5-0)		179 (5-0)
	19	NLD	15	3F	NON-LINEARITY AMPLIFIER	PICTURE MODE & TWIN	05 (5-0)		AA (5-0)
	1A	NLW	7	7	STEP WIDTH OF NON-LINEARITY AMPLIFIER		05 (5-0)		AE (6-4)
	1B	VGD	15	3F	VARIABLE GAMMA	PICTURE MODE & TWIN	06 (5-0)		AB (5-0)
	1C	VGW	0	7	STEP WIDTH OF VARIABLE GAMMA		06 (5-0)		AE (2-0)
	1D	PKD	3F	3F	PEAKING AMPLITUDE	PICTURE MODE	07 (5-0)		AC (5-0)
	1E	PKW	8	0F	STEP WIDTH OF PEAKING AMPLITUDE		07 (5-0)		AF (7-4)
	1F	SPD	0	3F	STEEPNESS CORRECTION	PICTURE MODE	08 (5-0)		17D (5-0)
	20	CRD	11	3F	CORING LEVEL	PICTURE MODE	09 (5-0)		AD (5-0)
	21	CRW	9	0F	STEP WIDTH OF CORING LEVEL		09 (5-0)		AF (3-0)
	22	CRO	0	0F	CORING LEVEL OFFSET FOR VIDEO MODE		09 (5-0)		AF (3-0)
	23	LWD	1F	3F	LINE WIDTH CORRECTION		0A (5-0)		17F (5-0)
	24	SNM	0	7	S/N MODE UNDER UNREALIBLE S/N CONDITION				B0 (2-0)
	25	SNC	3	0F	S/N RATIO AVERAGE COUNTER	TV/VIDEO			B1 (3-0)
	26	FMC	2	0F	FEATURE MODE MATCHING COUNTER				B2 (3-0)
MID	00	HPH		FF	HORIZONTAL ACTIVE DISPLAY AREA PHASE			MB94918(68H)	
	01	VPH		3F	VERTICAL ACTIVE DISPLAY AREA PHASE				
	02	HSZ		FF	HORIZONTAL ACTIVE DISPLAY AREA SIZE				
	03	VSZ		FF	VERTICAL ACTIVE DISPLAY AREA SIZE				
	04	HPW		3F	DISPLAY H-SYNC PLUSE WIDTH				
	05	VPW		7	DISPLAY V-SYNC PLUSE WIDTH				
	06	YDL		3F	DISPLAY OUTPUT Y/C DELAY CORRECTION				
	07	MHP		FF	MAIN PICTURE HORIZONTAL POSITION (SINGLE & PINP)				
	08	MVP		FF	MAIN PICTURE VERTICAL POSITION (SINGLE & PINP)				
	09	MHS		FF	MAIN PICTURE HORIZONTAL SIZE (SINGLE & PINP)				
	0A	MVS		FF	MAIN PICTURE VERTICAL SIZE (SINGLE & PINP)				
	0B	PHP		FF	PINP SUB PICTURE HORIZONTAL POSITION				
	0C	PVP		FF	PINP SUB PICTURE VERTICAL POSITION				
	0D	PHS		FF	PINP SUB PICTURE HORIZONTAL SIZE				
	0E	PVS		FF	PINP SUB PICTURE VERTICAL SIZE				
	0F	PHO		FF	PINP SUB PICTURE HORIZONTAL POSITION OFFSET				
	10	PVO		FF	PINP SUB PICTURE VERTICAL POSITION OFFSET				

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
MID	11	TMP		FF	TWIN MAIN PICTURE HORIZONTAL POSITION			MB94918(68H)	
2	12	TSP		FF	TWIN SUB PICTURE HORIZONTAL POSITION			20 .0 .0(00)	
	13	TVP		FF	TWIN MAIN & SUB PICTURE VERTICAL POSITON				
	14	THS		FF	TWIN MAIN & SUB PICTURE HORIZONTAL SIZE				
	15	TVS		FF	TWIN MAIN & SUB PICTURE VERTICAL SIZE				
	16	THO		FF	TWIN MAIN & SUB PICTURE HORIZONTAL POSITION OFFSET				
	17	TVO		FF	TWIN MAIN & SUB PICTURE VERTICAL POSITION OFFSET				
	18	XHS		FF	INDEX SUB PICTURE HORIZONTAL SIZE				
	19	XVS		FF	INDEX SUB PICTURE VERTICAL SIZE				
	1A	XHG		FF	INDEX HORIZONTAL GAP WIDTH BETWEEN PICTURES				
	1B	XVG		FF	INDEX VERTICAL GAP WIDTH BETWEEN PICTURES				
	1C	XHP		FF	INDEX 1ST SUB PICTURES HORIZONTAL POSITION				
	1D	XVP		FF	INDEX 1ST SUB PICTURES VERTICAL POSITION				
	1E	DHP		FF	DRC HORIZONTAL ACTIVE AREA POSITION				
	1F	DHS		FF	DRC HORIZONTAL ACTIVE PIXEL SIZE				
	20	DVP		3F	DRC VERTICAL ACTIVE AREA LINE POSITION				
	21	DVS		FF	DRC VERTICAL ACTIVE AREA LINE SIZE				
	22	VHP		FF	VDO HORIZONTAL ACTIVE AREA POSITION				
	23	VHS		FF	VDO HORIZONTAL ACTIVE AREA PIXEL SIZE				
	24	VEP		3F	VDO VERTICAL ACTIVE AREA EVEN POSITION				
	25	VVS		FF	VDO VERTICAL ACTIVE AREA LINE SIZE				
	26	VOP		3	VDO VERTICAL ACTIVE AREA ODD POSITION				
	27	CLT		FF	VDO CLAMP PULSE OUTPUT TIMING				
	28	CLW		7	VDO CLAMP PULSE WIDTH				
	29	VYD		3F	VDO ANALOG INPUT Y/C DELAY CORRECTION				
	2A	VCR		1	VDO CROMA SIGNAL ORDER				
	2B	VDI		_3	VDO DIGITAL ANALOG INPUT SELECTION				<u> </u>
3CM	00	FRZ	0	1	EXTERNAL MEMORY TEST BIT		02 (4)	UPD64082(B8H)	
	01	NRM	0	3	NOISE REDUCTION OPERATION MODE		00 (7-6)		
	02	YCO	0E	0F	Y/C SIGNAL OUTPUT SELECTION		00 (3-0)		
	03	SYC	1	3	SYSTEM CLOCK SELECTION		01 (7-6)		
	04	STD	0	3	STANDARD/NON-STANDARD OPERATION SELECTION		01 (5-4)		
	05	MSS	0	3	INTER-FRAME/INTER-LINE OPERATION SELECTION		01 (3-2)		
	06	KIL	3	3	KILLER/NON-KILLER OPERATION SELECTION		01 (1-0)		
	07	EAD	0	1	EXTERNAL Y-ADC SWITCH		02 (5)		
	08	ECS	1	3	EXTERNAL C-SYNC INPUT SELECTION		02 (1-0)		
	09	CPP	2	3	ADC INPUT LEVEL & CLUMP PULSE WIDTH SELECTION		03 (7-6)		
	OA	PWR	0	1 1	ADC INPUT WIDTH SWITCH		09 (7)		
	0B	HDP	5	7	HORIZONTAL PHASE ADJUSTMENT		03 (5-3)		
	OC	CDL	4	7	C-SIGNAL DELAY ADJUSTMENT	ND MODE (2.2)	03 (2-0)		
	0D	DYC	2	0F	DY DETECTION CORING LEVEL ADJUSTMENT	NR MODE (0-3)	04 (7-4)		
	0E	DYG	0A	0F	DY DETECTION GAIN ADJUSTMENT	NR MODE (0-3)	04 (3-0)		

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
3CM	0F	DCC	5	0F	DC DETECTION CORING LEVEL ADJUSTMENT	NR MODE (0-3)	05 (7-4)	UPD64082(B8H)	
	10	DCG	5	0F	DC DETECTION GAIN ADJUSTMENT	NR MODE (0-3)	05 (3-0)	(-)	
	11	YNR	1	0F	YNR NON-LINEAR FILTER SETUP		06 (7-4)		
	12	CNR	1 1	0F	CNR NON-LINEAR FILTER SETUP		06 (3-0)		
	13	WSC	1	3	NOISE DETECTION CORING ADJUSTMENT		08 (7-6)		
	14	VTH	1	3	HYSTERESIS SELECTION FOR H-SYNC NON-STANDARD	TV/VIDEO	08 (5-4)		
	15	VTR	1	3	SENSITIVITY SELECTION FOR H-SYNC NON-STANDARD	TV/VIDEO	08 (3-2)		
	16	LDR	2	3	SENSITIVITY SELECTION FOR FRAME-SYNC NON-STANDARD	TV/VIDEO	08 (1-0)		
	17	VAP	3	7	GAIN ADJUSTMENT FOR VERTICAL SHAPE CORRECTION	PICTURE MODE	0A (7-5)		
	18	VAI	0C	1F	VANISHING ADJUSTMENT FOR VERTICAL SHAPE CORRECTION	PICTURE MODE	0A (4-0)		
	19	TST	0	1	TEST BIT	FICTORE MODE	0B (6)		
	19 1A	YPF	3	3	CENTER FREQUENCY SELECTION FOR Y-PEAKING BPF	PICTURE MODE	0B (6) 0B (5-4)		
	1B	YPG	8	0F	GAIN ADJUSTMENT FOR Y-PEAKING BPF	PICTURE MODE			
	1B 1C	VSE	OA	0F	LINE COMB FILTER SETUP	FICTORE MODE	0B (3-0) 0C (7-4)		
				-					
	1D	CCN	0	1	C-SIGNAL SPLIT FILTER SWITCH		0C (3)		
	1E	cos	0	1	C-SIGNAL DELAY SWITCH AT NOISE REDUCTION		0C (2)		
	1F	SDC	0	1	DC DETECTION SENSITIVITY SWITCH		0C (0)		
	20	SDY	1 1	1_	DY DETECTION LOWER-LEVEL SENSITIVITY SWITCH		0D (5)		
	21	D2G	4	7	D2 GAIN SELECTION		0D (2-0)		
	22	YHC	0	3	Y-SIGNAL HIGHER-LEVEL CORING SELECTION	PICTURE MODE	10 (7-6)		
	23	YHG	0	1	Y-SIGNAL HIGHER-LEVEL GAIN SWITCH	PICTURE MODE	10 (5)		
	24	SHT	0	0F	NON-STANDARD DETECTION & H/V COUNTER TEST BITS		11 (7-4)		
	25	CLK	8	0F	CLOCK TEST BITS		11 (3-0)		
	26	PLL	0D	0F	PLL FILTER SETUP		12 (7-4)		
	27	KRF	3	0F	KILLER DETECTION REFERENCE ADJUSTMENT		12 (3-0)		
	28	HSL	OC	0F	H-SYNC SLICE LEVEL ADJUSTMENT		13 (7-4)		
	29	VSL	8	0F	V-SYNC SLICE LEVEL ADJUSTMENT		13 (3-0)		
	2A	BPS	4	0F	INTERNAL BURST GATE START POSITION ADJUSTMENT		14 (7-4)		
	2B	BPW	0A	0F	INTERNAL BURST GATE WIDTH ADJUSTMENT		14 (3-0)		
	2C	ADC	3	3	ADC CLOCK DELAY SELECTION		15 (7-6)		
	2D	APD	1	1	ADC POWER-DOWN SWITCH		15 (5)		
	2E	NSD	1	1	NON-STANDARD DETECTION TEST BIT		15 (4)		322
	2F	SPD	2	3	MEMORY POWER-DOWN SWITCH		16 (7)		323
	30	CNT	0	1	CNR TEST BIT		17 (7)		324
2CM	00	APA	1	1_1	2D COMB APACON ON/OFF	PICTURE MODE	#2 (2-1)	CXA2069Q(90H)	
DSP	00	DUL	0	3	DIR UNLOCK DETECTION MODE			TC9446F(3AH)	
	01	DIM	3	3	DIGITAL INPUT MODE				
	02	TFM	5A	7F	TRUSURROUND FRONT MINUS	VDD/VDP	2764/276D		
	03	TFP	12	7F	TRUSURROUND FRONT PLUS	VDD/VDP	2765/276E		
	04	TCE	40	7F	TRUSURROUND CENTER	VDD/VDP	2766/276F		
	05	TS1	20	FF	TRUSURROUND SURROUND #1	VDD/VDP	2767		
	06	TS2	20	7F	TRUSURROUND SURROUND #2	VDD/VDP	2770		

Category	Functi	onality	Initial	Range	Function	Table & Note	Register	Device & Slave	RAM Address
	No.	Name	Data				(Bit Range)	Address	(Bit Range)
DSP	07	TSP	68	7F	TRUSURROUND SURROUND PLUS	VDD/VDP	2768/2771	TC9446F(3AH)	
	08	TEM	68	7F	TRUSURROUND SURROUND MINUS	VDD/VDP	2769/2772	,	
	09	LFE	5A	7F	LOW FREQUENCY EFFECT		276A/2773		31E
	0A	BHL	40	7F	BBE EFFECT 1 FOR BBE HIGH	VDD/VDP/TRS/SIM/OFF	278F		321
	0B	ВНН	48	7F	BBE EFFECT 2 FOR BBE HIGH	VDD/VDP/TRS/SIM/OFF	2790		322
	0C	BLL	33	7F	BBE EFFECT 1 FOR BBE LOW	VDD/VDP/TRS/SIM/OFF	278F		323
	0D	BLH	33	7F	BBE EFFECT 2 FOR BBE LOW	VDD/VDP/TRS/SIM/OFF	2790		324
	0E	DLR	7	7	DELAY SELECTION AT DSP RESET				324
	0F	BBE	1	3	BBE SELECTION	SOUND MODE EXCEPT PERSONAL			324
DYC	00	SBH	1F	3F	H STATIC CONV1		0D (5-0)	CXA8070P(DEH)	
	01	YBU	1F	3F	H STATIC CONV2 UPPER	50/60Hz	0B (5-0)		
	02	YBL	1F	3F	H STATIC CONV2 LOWER	50/60Hz	0C (5-0)		
	03	RSA	1F	3F	H DYNAMIC CONV1 LEFT	50/60Hz	05 (5-0)		
	04	LSA	1F	3F	H DYNAMIC CONV1 RIGHT	50/60Hz	0A (5-0)		
	05	LUB	1F	3F	H DYNAMIC CONV2 TOP LEFT	50/60Hz	01 (5-0)		
	06	LLB	1F	3F	H DYNAMIC CONV2 BOTTOM LEFT	50/60Hz	02 (5-0)		
	07	RUB	1F	3F	H DYNAMIC CONV2 TOP RIGHT	50/60Hz	06 (5-0)		
	08	RLB	1F_	3F	H DYNAMIC CONV2 BOTTOM RIGHT	<u>50/60Hz</u>	07 (5-0)		
TXT	00	TXH	4B	FF	TELETEXT HORIZONTAL POSITION		99 (7-0)	SAA5261(58H)	352 (1-0)
	01	_TXV_	0E	3F	TELETEXT VERTICAL POSITION		9A (5-0)		352 (5-4)
OPM	00	OSH	12	3F	OSD H POSITION		1F1	CXP750096(60H)	18D (7-2)
	01	FW1	0	3F	OSD ODD/EVEN FIELD WINDOW SETUP #1		1F9	OPTION-MISC	
	02	FW2	3	3F	OSD ODD/EVEN FIELD WINDOW SETUP #2		1F9		
	03	ОНО	9	0F	OSD H POSITION OFFSET FOR INDEX		1F1		
	04	ICO	1	3	INDEX "VIDEO" OSD HORIZONTAL OFFSET (12+1 INDEX)				
	05	ISO	2	3	INDEX SUB-SCREEN OSD HORIZONTAL OFFSET				
	06	IL1	1C	3F	INDEX SUB-SCREEN OSD 1ST LINE VERTICAL POSITION	50/60Hz		1F2	
	07	IVO	2F	3F	INDEX SUB-SCREEN OSD VERTICAL OFFSET	50/60Hz		1F2/1F3	
	80	COM	0	03	COMB OPERATION SELECTION				347 (7-6)
	09	APC	1	1	APC SWITCH				346 (5)
	0A	TSY	0	03	TV SYSTEM SELECTION UNDER SEARCHING WITH AUTO TV SYSTEM				346 (4-3)
	0B	MUT	0	1	NO SIGNAL MUTE				346 (0)
	OC	AFM	1	1	AUTO FM SWITCH				346 (1)
	0D	TVO	3	7	V-ANGLE CORRECTION TO PICTURE ROTATION				347 (2-0)
	0E	DBL	0	1	DISABLE BLUEBACK FUNCTION				346 (2)
	0F	SSO	1	3	SPEED CH SEARCH SELECTION				346 (5)
	10	TRP	0	3F	MPEG/JPEG NOISE REDUCTION FOR EACH INPUT	NITOO ONUV			18E (5-0)
	00 10	SCH SCA	1 1	7F 1	CH SELECTION FOR SHIPPING CONDITION CABLE/AIR SELECTION FOR SHIPPING CONDITION	NTSC ONLY NTSC ONLY			18E (5-0)
OPB		OP1	'_ 	' FF	OPTIONAL BITS 1 (SEE THE SPECIFIED SHEET)		+	 OPTION-BITS	4A
OFB	01	OP1	13	FF	OPTIONAL BITS 1 (SEE THE SPECIFIED SHEET)			OF HON-BITS	4A 4B

NOTE

- shaded items are fixed data.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each mode.
- Note for Different Data: Those are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory.

In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

OPTION NOTE

COM Comb Operation Selection 00 = automatic operation (depends on color system status),

01 = no comb operation,

02 = forced 2D-comb operation, 03 = forced 3D-comb operation

TSY TV System Selection for Auto TV System 00 = B/G, 01 = I, 10 = D/K, 11 = M

SSO Speed CH Search Selection 00 = normal, 01 = 4 times, 10 = 6 times, 11 = 8 times

TRP MPEG/JPEG Noise Reduction

Input –	TV	١	Video 1	Video 2	Video 3	Video 4	DVD	1
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OP1 Items

Item	TOP	NICAM	HDEV	Reserved	_	DVD Input	AV Input	
KV-ES34M31	1	1	1	0	0	1	1	1
KV-ES34M61	1	1	1	0	0	1	1	1
KV-ES34M80	1	1	1	0	0	1	1	1
KV-ES34M90	1	1	1	0	0	1	1	1

AV Input 00 = no AV Input, 01 = 1 AV Input, 10 = 3 AV Input, 11 = 4 AV Input

OP2 Items

Item	C-Text	Korean Stereo	Korean Mode	A-TVsys	US ST	SSV Model	OSD	Language
KV-ES34M31	0	0	0	1	0	0	1	1
KV-ES34M61	0	0	0	1	0	0	1	1
KV-ES34M80	0	0	0	0	0	0	1	1
KV-ES34M90	0	0	0	0	0	0	1	1

5-3. PICTURE QUALITY ADJUSTMENTS

-H-TRAPIZIUM ADJUSTMENT

- 1. Input a cross hatch/dot signal.
- 2. Adjust DAC 4 HTR to make H-Trapizoid distortion best.

SUB CONTRAST, SUB HUE, SUB COLOR

Adjustment condition

SAJ	00	PIC	3F
	06	DYC	0
	0E	CLO	7
	10	HUO	7
	13	PIO	0

PICTURE QUALITY : HI-FINE ECO MODE : OFF WIDE MODE : DRC1250

INPUT SIGNAL

Video Color Bar (White and Color 75%) RF Color Bar (White and Color 75%)

MEASUREMENT POINT

VR; R100 (the pin 6 of CN1100 at A board)
VB; B100 (the pin 7 of CN1100 at A board)

CAUTION

After the above Adjustments, these adjustment parameters must be recovered to the original condition.

Original condition

SAJ	00	PIC 28	HI-FINE
SAI	06	DYC 0	HI-FINE

	50 TV	50 VIDEO	60 TV	60 VIDEO
OE CLO	9	8	9	9
10 HUO	8	8	9	9

1. NTSC VIDEO INPUT

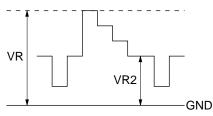
Input signal; NTSC color bar, 75% to Video 1. [TWIN] mode, [Service] mode.

(i) SUB CONTRAST

Condition:	SAJ	00	PIC	3F
		02	COL	0
	JGL	01	RGB	4
	SAJ	13	PIO	0

Adjusting parameter:

LEFT	;	YCT	08	YOL
RIGHT	;	SYC	08	YOL



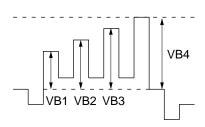
 $VR1 - VR2 = VR = 1.88 \pm 0.07 (Vp-p)$

(ii) SUB HUE/SUB COL

Condition:	SAJ	02	COL	1F
	JGL	01	RGB	7
	CAI	10	шо	7

Adjusting parameter:

LEFT	;	YCT	0A	COL
		YCT	00	TNT



$$VB1 = VB4 \pm 50 \text{ mV}$$

$$VB2 = VB3 \pm 50 \text{ mV}$$

2. NTSC RF INPUT

Input signal; NTSC RF color bar, 75%. [TWIN] mode, [Service] mode.

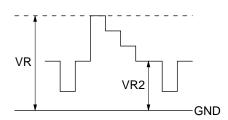
(i) SUB CONTRAST

Condition: SAJ 00 PIC 3F 02 COL 0

JGL 01 RGB 4

Adjusting parameter:

LEFT ; YCT 04 SCT RIGHT ; SYC 04 SCT



 $VR1 - VR2 = VR = 1.88 \pm 0.07 (Vp-p)$

(ii) SUB HUE/SUB COL

Condition: SAJ 02 COL 1F

JGL 01 RGB 7

SAJ 10 HUO 7

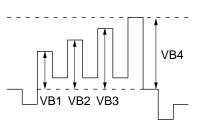
Adjusting parameter:

LEFT ; YCT 03 SCL

YCT 00 TNT

RIGHT ; SYC 03 SCL

SYC 00 TNT



 $VB1 = VB4 \pm 50 \text{ mV}$ $VB2 = VB3 \pm 50 \text{ mV}$

3. PAL VIDEO INPUT

Input signal; PAL color bar, 75% to Video 1. [TWIN] mode, [Service] mode.

(i) SUB CONTRAST

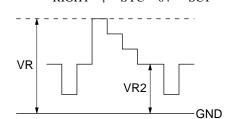
Condition: SAT 00 PIC 3F

SAT 02 COL 0

JGL 01 RGB 4

Adjusting parameter:

LEFT ; YCT 04 SCT RIGHT ; SYC 04 SCT



 $VR1 - VR2 = VR = 1.88 \pm 0.07 (Vp-p)$

(ii) SUB HUE/SUB COL

Condition: SAJ 02 COL 1F

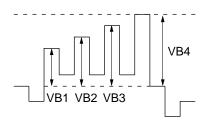
JGL 01 RGB 7

Adjusting parameter:

LEFT ; YCT 03 SCL

SAJ 10 HUO

RIGHT ; SYC 03 SCL



 $VB1 = VB4 \pm 50 \text{ mV}$ $VB2 = VB3 \pm 50 \text{ mV}$

4. PAL RF INPUT

Input signal; PAL RF color bar, 75%. [TWIN] mode, [Service] mode.

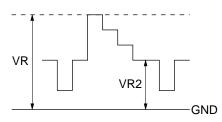
(i) SUB CONTRAST

Condition: SAJ 00 PIC 3F

SAJ 02 COL 0 JGL 01 RGB 4

Adjusting parameter:

LEFT ; YCT 04 SCT RIGHT ; SYC 04 SCT



 $VR1 - VR2 = VR = 1.88 \pm 0.07 (Vp-p)$

(ii) SUB HUE/SUB COL

Condition: SAJ 02 COL 1F

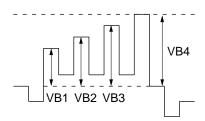
JGL 01 RGB 7

Adjusting parameter:

LEFT ; YCT 03 SCL

SAJ 10 HUO

RIGHT; SYC 03 SCL



 $VB1 = VB4 \pm 50 \text{ mV}$

 $VB2 = VB3 \pm 50 \text{ mV}$

5-4. DEFLECTION ADJUSTMENTS

FOR DRC 1250

- 1. Set to Service Mode.
- 2. Input a Pal cross hatch/dot signal.
- 3. Set the following condition.

 Picture Mode to DYNAMIC, Picture Rotation to +/-0 and

Eco Mode to OFF.

- 4. Set to DRC 1250 mode.
- 5. Using the 1 and 4 buttons select category GEO (Service Mode).
- 6. Select and adjust the following items to obtain optimum image. Raise/lower the data with the 3 and 6 buttons.

1	00	VSZ	V SIZE
2	04	HSZ	H SIZE
3	01	VPS	V POSITION
4	05	HPS	H POSITION
5	03	SCO	S CORRECTION
6	02	VLN	V LINEARITY
7	0B	BOW	AFC BOW
8	06	PAP	PIN AMP
9	07	UPN	UPPER CORNER PIN
10	08	LPN	LOWER CORNER PIN
11	09	TRZ	TRAPEZIUM

- 7. Using the 1 and 4 buttons select category DAC (Service Mode).
- 8. Select and ad List the following items to obtain optimum image. Raise/lower the data with the 3 and 6 buttons.

1	01	HLN	H LINEARITY	
2	00	HCT	H CENTER	

- 9. Select "GEO 04 HSZ" with the **1** and **4** buttons.
- 10. Confirm the H Size condition. If necessary, adjust the H SIZE to get a best condition.
- 11. Write into the memory by pressing MUTING then **①**.

FOR DRC 100 MODE

- 12. Set to DRC 100 mode.
- 13. Repeat Step 5, Step 6 and Step 7.
- 14. Write "DAC 00 HCT DRC 100 Mode" as "DAC 00 HCT DRC 1250 Mode".

Write "DAC 01 HLN DRC 100 Mode" as "DAC 01 HLN DRC 1250 Mode".

FOR PIP MODE

- 15. Set to PIP mode.
- 16. Repeat Step 5 and Step 6.
- 17. Write into the memory by pressing MUTING then 0.

FOR TWIN MODE

- 18. Set to TWIN Mode.
- 19. Using the **1** and **4** buttons select category GEO (Service Mode).
- 20. Select and adjust the following items to obtain optimum image. Raise/lower the data with the 3 and 6 buttons.

1	01	VPS	V POSITION
2	05	HPS	H POSITION
3	06	PAP	PIN AMP
4	09	TRZ	TRAPEZIUM

21. Write into the memory by pressing MUTING then 0.

FOR INDEX MODE

- 22. Set to Index Mode.
- 23. Repeat Step 5 and Step 6.
- 24. Write into the memory by pressing MUTING then 0.

FOR WIDE MODE

- 25. Set to WIDE Mode.
- 26. Using the 1 and 4 buttons select category GEO (Service Mode).
- 27. Select and adjust the following items to obtain optimum image. Raise/lower the data with the [3] and [6] buttons.

1	00	VSZ	V SIZE
2	01	VPS	V POSITION
3	05	HPS	H POSITION
4	06	PAP	PIN AMP
5	09	TRZ	TRAPEZIUM

28. Input a NTSC cross hatch/dot signal and repeat all above steps.

5-5. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

When replacing IC003 and IC004 (MEMORY), be sure to change IC001 (μ -COM) to the following new IC at the same time.

	MODEL	IC001 (μ-CON)
KV-	ES34M31/M61/M80/M90	CXP750096-012Q

- 1. Enter to Service Mode.
- 2. Press commander buttons 5 and 0 (Data Initialize), and 2 and 0 (Data Copy) to initialize the data.
- 3. Call each item number and check if the respective screen shows the normal picture.

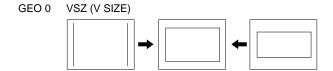
In cases where items are not well adjusted, rectify the items with fine adjustment.

Write the data per each item number ($\boxed{\text{MUTING}} + \boxed{0}$).

- 4. Select item numbers "OPB0" (OP1), "OPB1" (OP2) and respectively set the bit per model with command buttons 3 and 6.
- 5. Press commander buttons **8** and **0** (Test Normal) to return to the data that was set on the shipment from the factory. (This will also cancel Service Mode.)

5-6. PICTURE DISTORTION ADJUSTMENT (1)

Item Number 00 - 0B

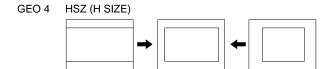
















GEO 6 PAP (PIN AMP)



GEO 07 UPN (UPPER CORNER PIN)

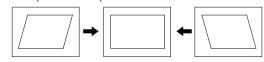
GEO 08 LPN (LOWER CORNER PIN)



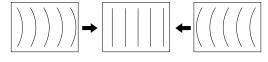
GEO 9 TRZ (TRAPEZIUM)



GEO 0A AGL (AFC.ANGLE)



GEO 0B BOW (AFC.BOW)



PICTURE DISTORTION ADJUSTMENT (2)



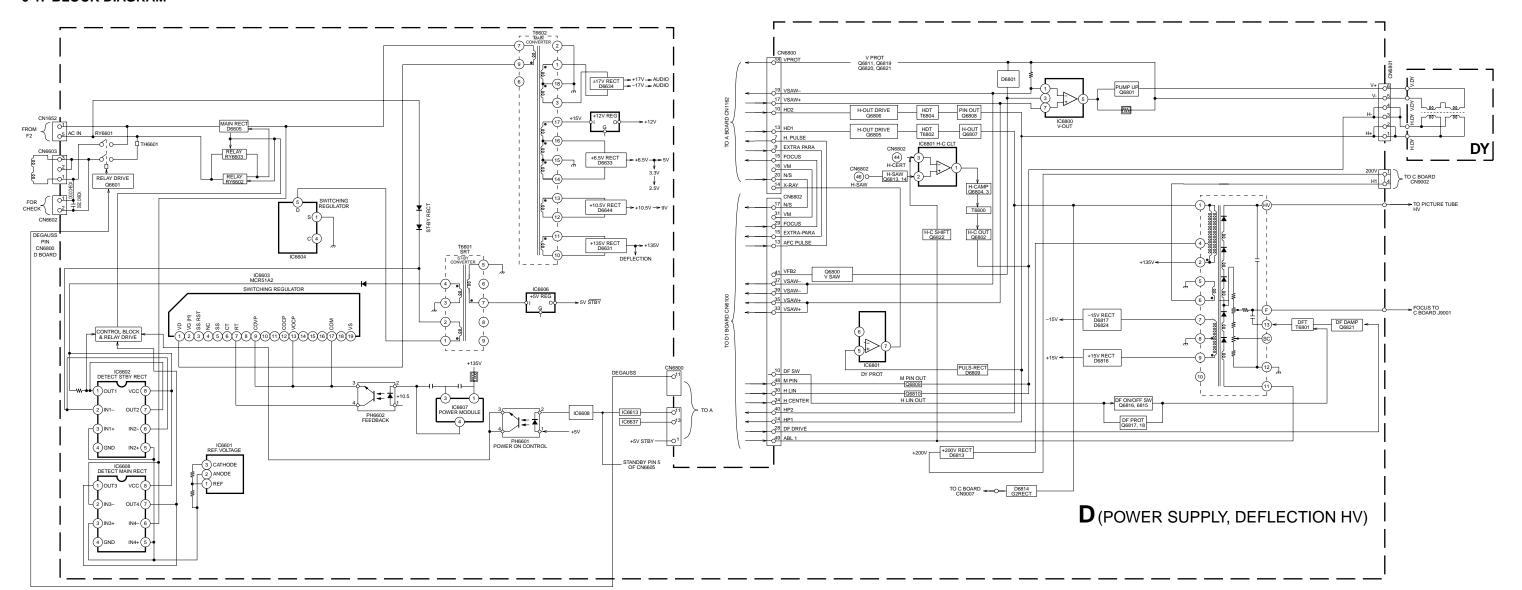
MEMO

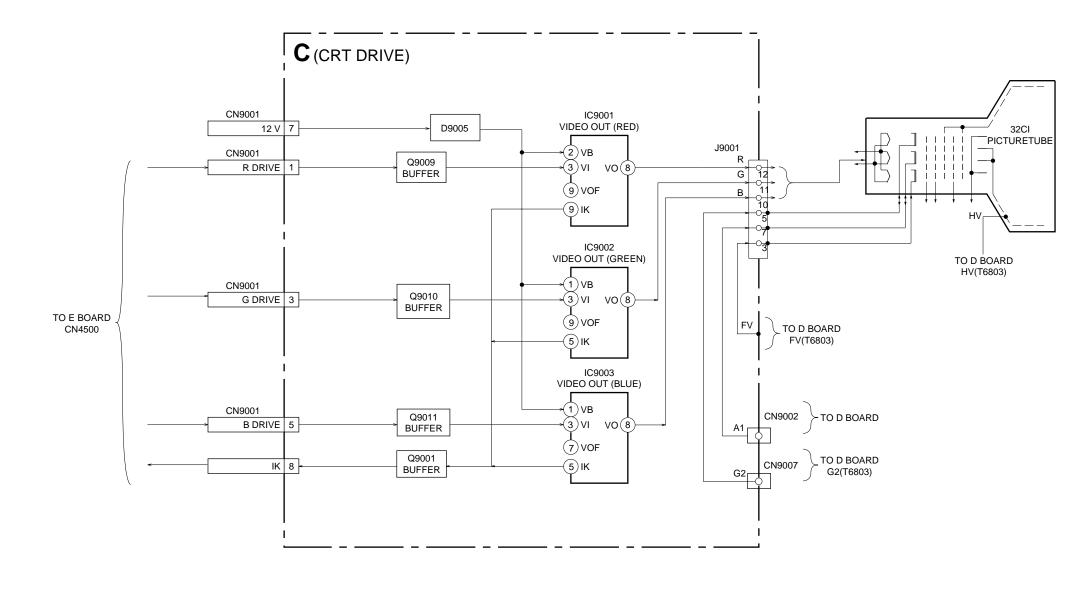
MEMO

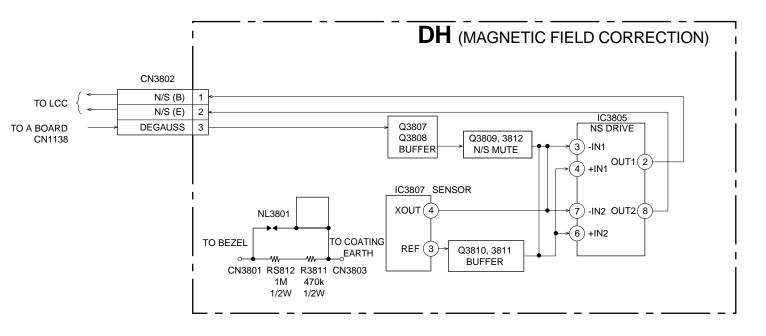
MEMO

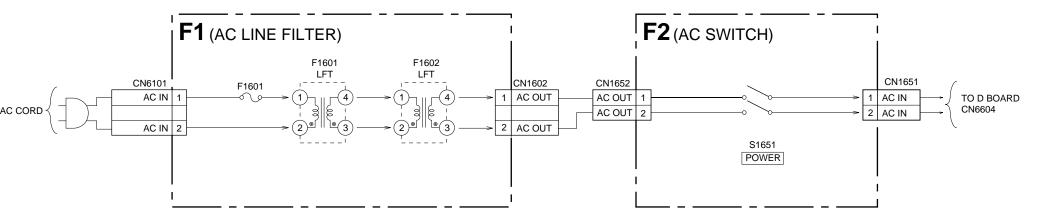
- 69 -

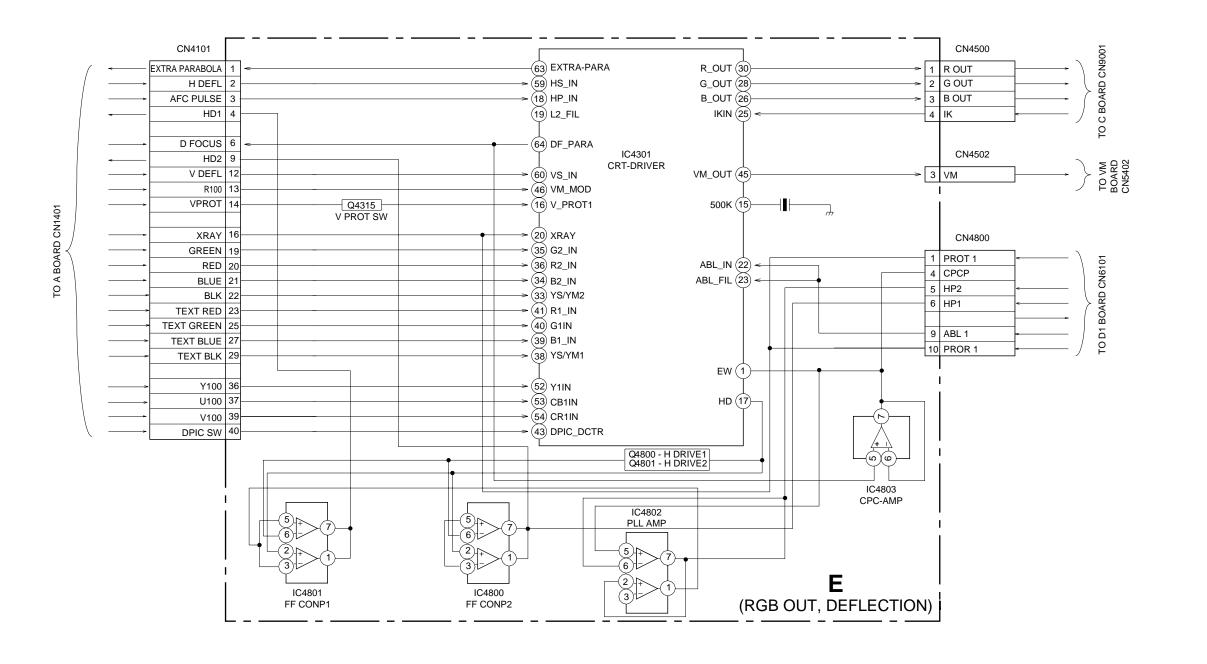
6-1. BLOCK DIAGRAM

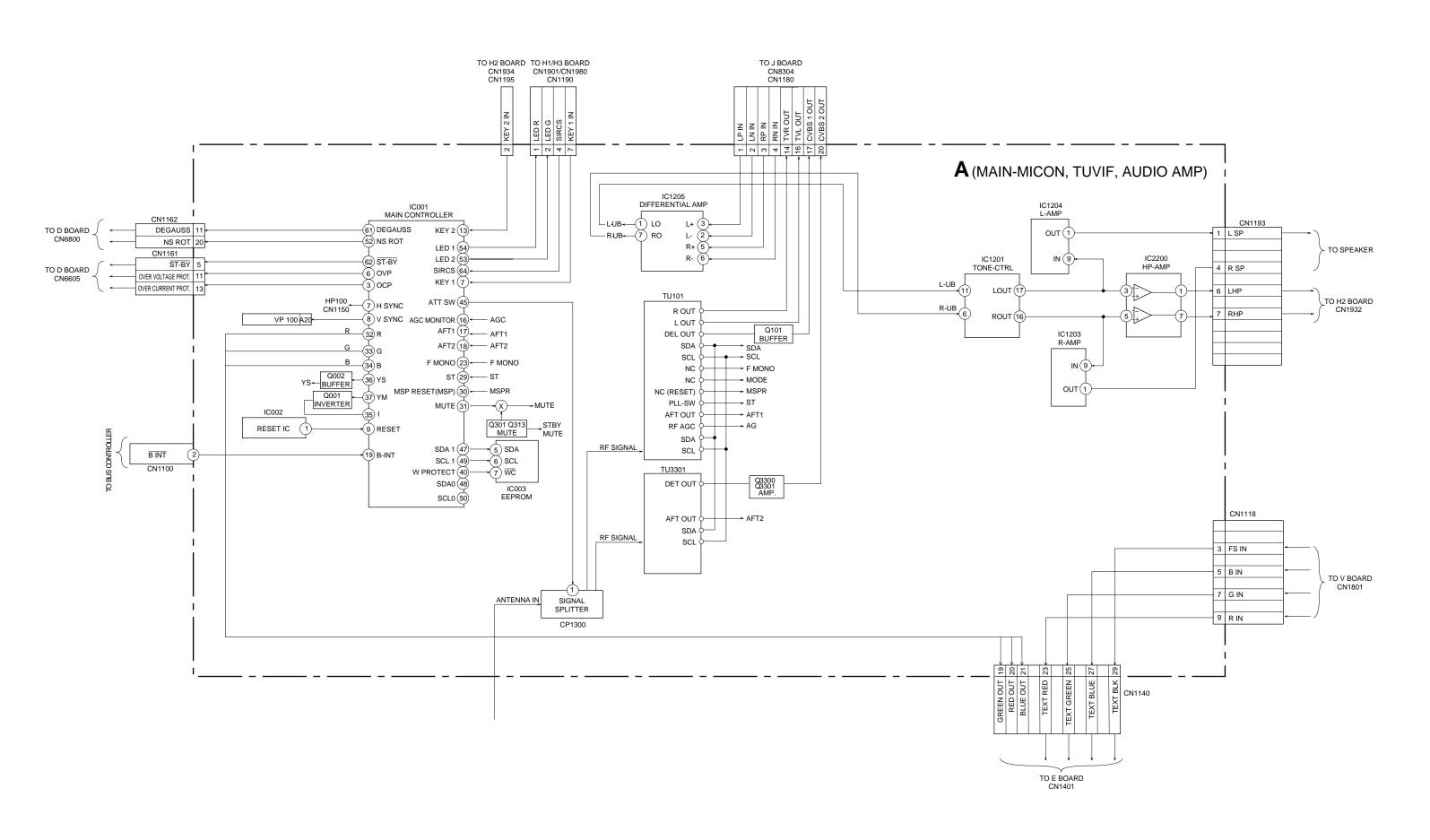


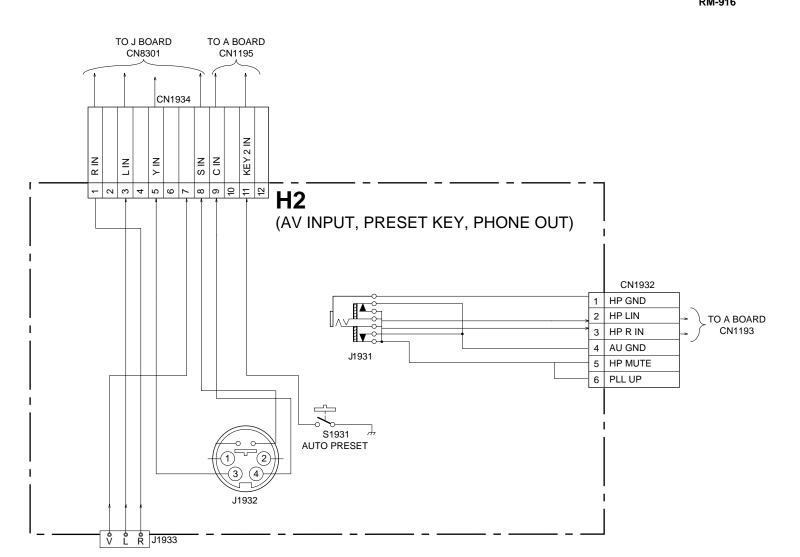


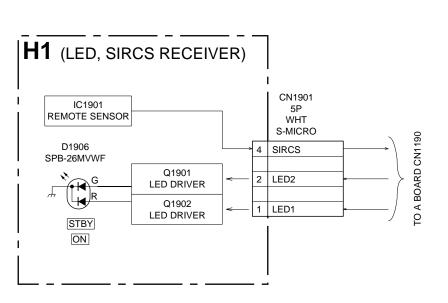


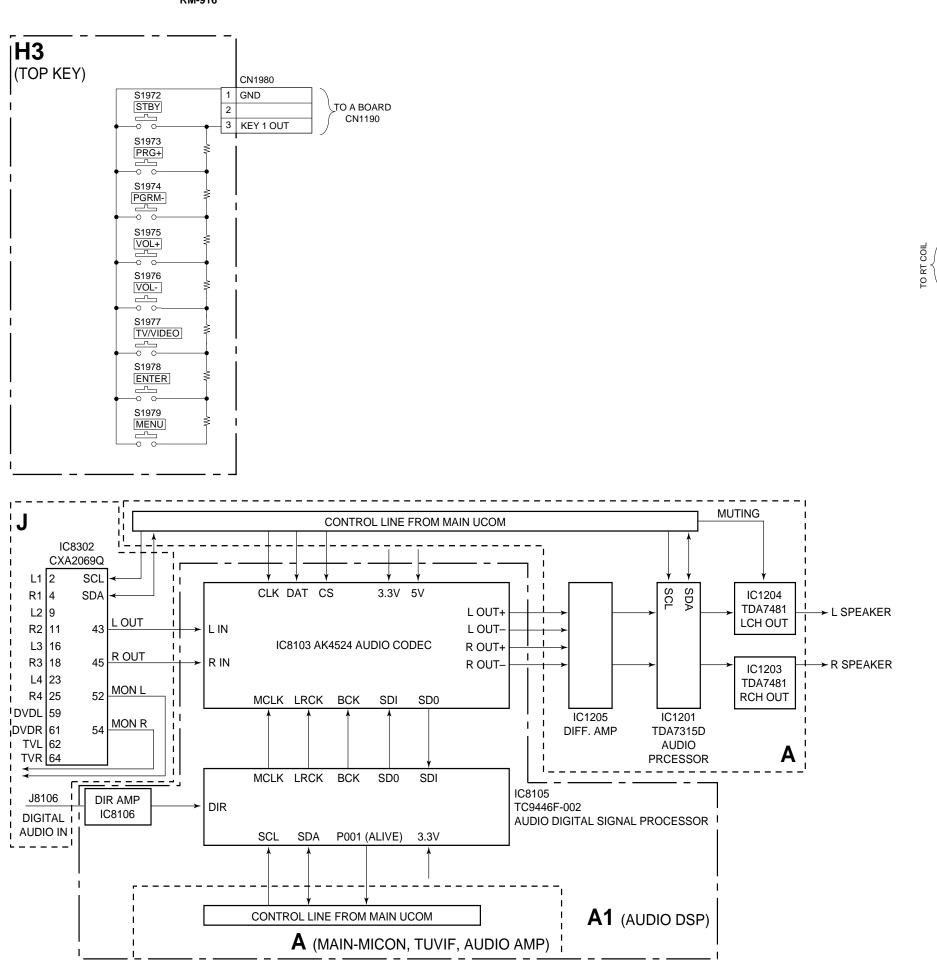


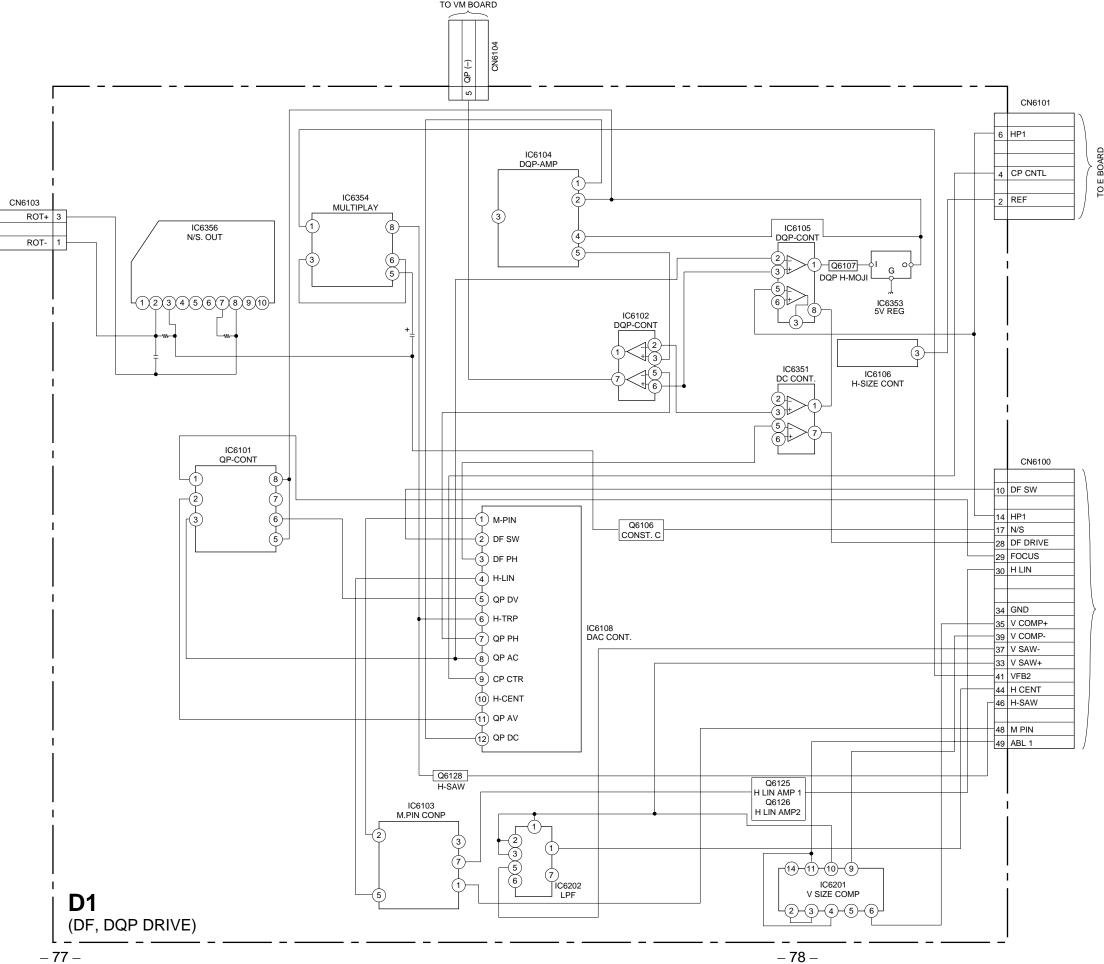


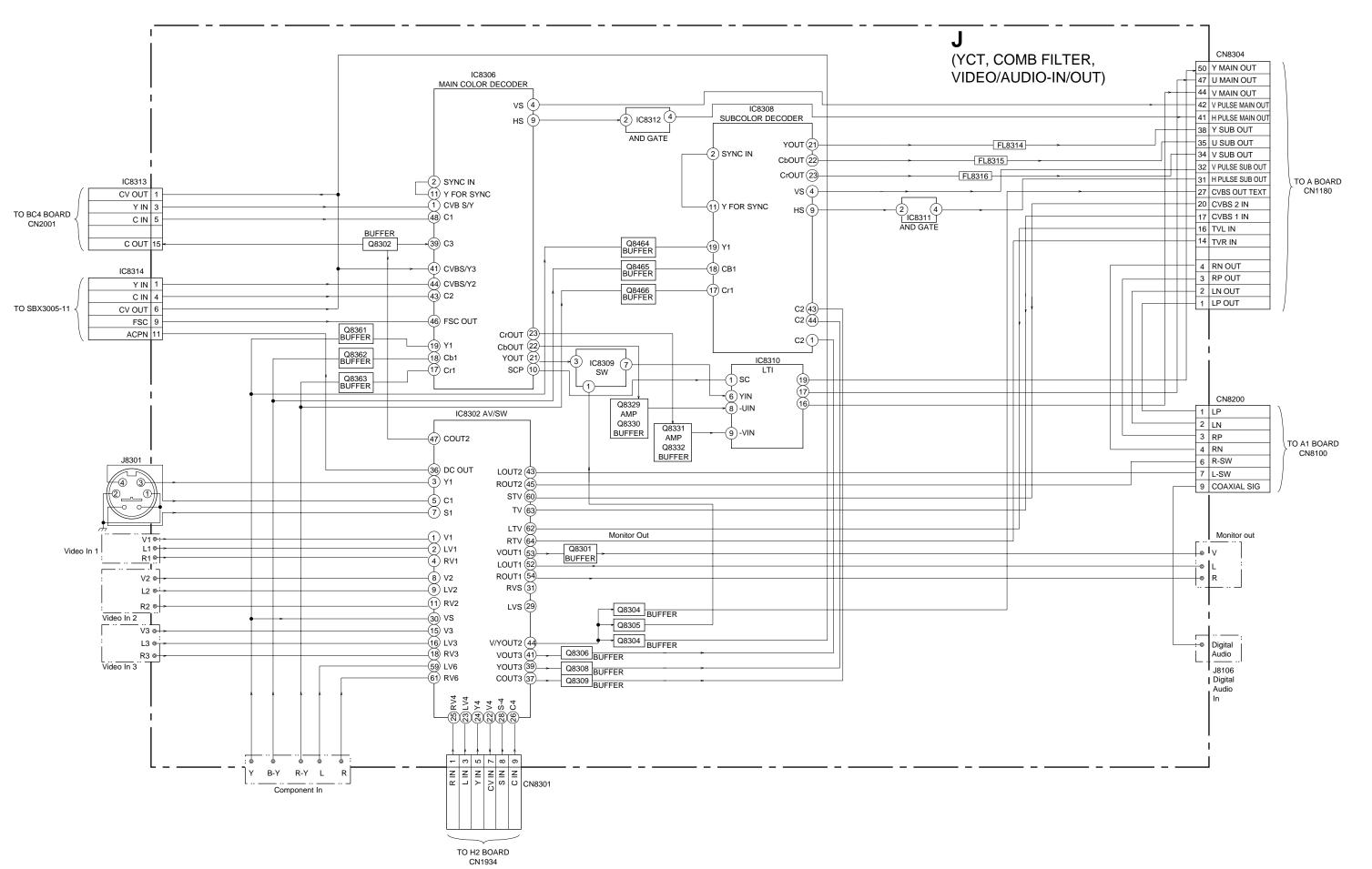


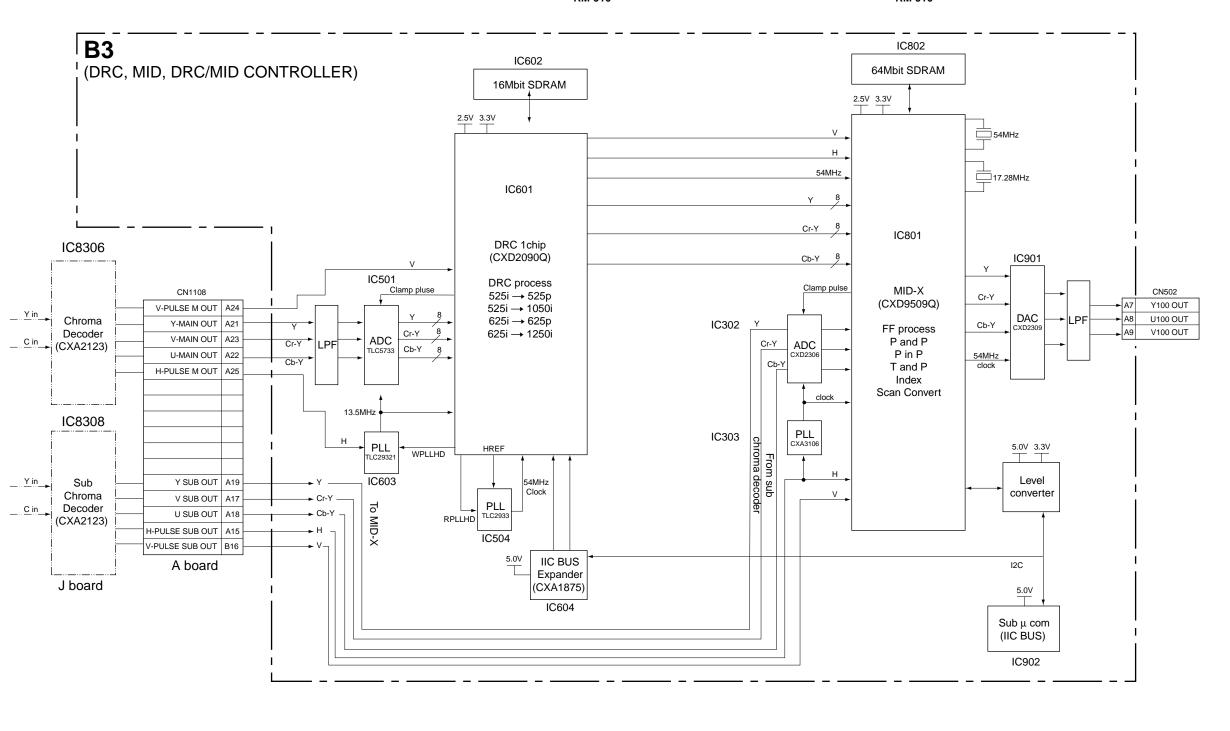


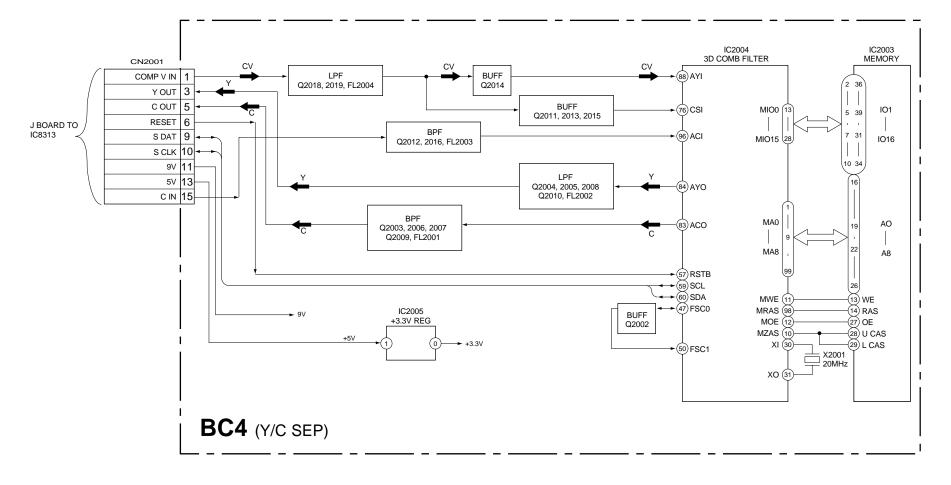


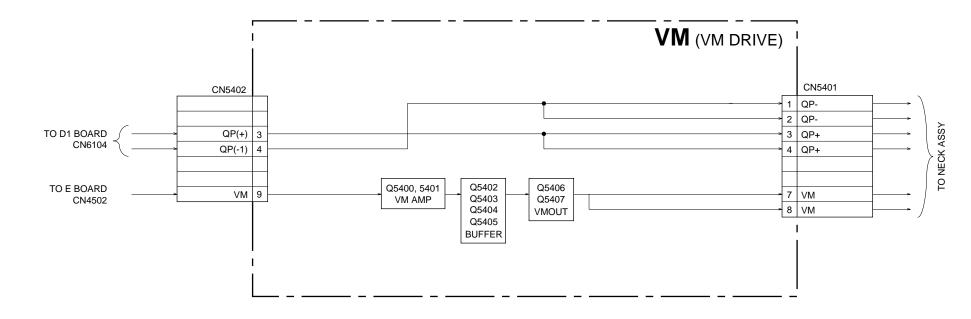




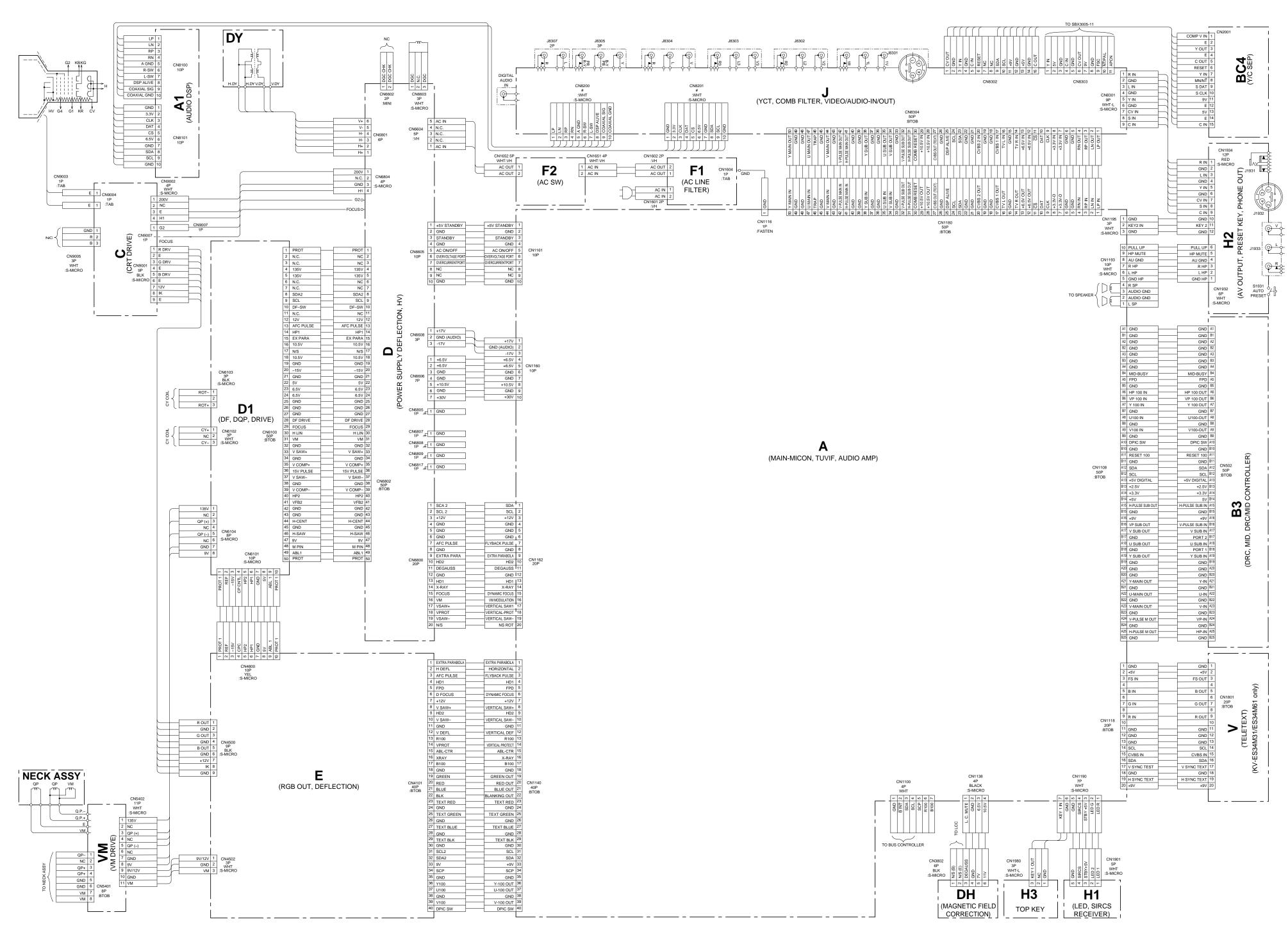




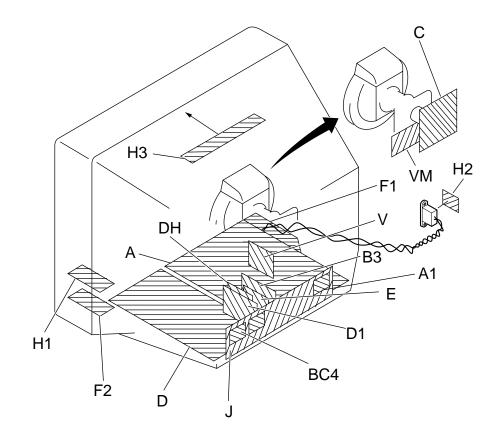




84 –



6-3. CIRCUIT BOARDS LOCATION



6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Voltage variations may be noted due to normal production

tolerances.

• : B + bus.

• ■ ■ ■ : B – bus. • ⇒ : signal path.

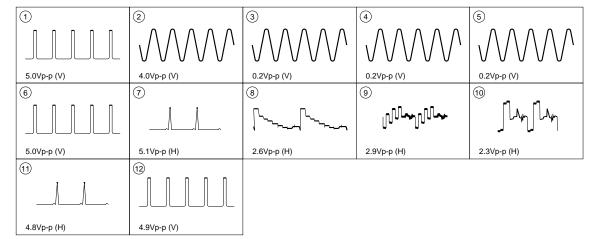
All voltages are in V.* : Cannot be measured.

Circled numbers are waveform references.

 Note: All capacitors are in μF unless otherwise noted. All electrolytic capacitors are rated at 50V unless otherwise noted. All resistors are in ohms.	Reference int RESISTOR	formation : RN : RC : FPRD : FUSE : RS : RB : RW	METAL FILM SOLID NONFLAMMABLE CARBON NONFLAMMABLE FUSIBLE NONFLAMMABLE METAL OXIDE NONFLAMMABLE CEMENT NONFLAMMABLE WIREWOUND
Rating electrical power 1/4W (CHIP: 1/10W) Taking electrical power 1/4W (CHIP: 1/10W) The image is nonflammable resistor. Linternal component. The image is panel designation or adjustment for repair. All variable and adjustable resistors have characteristic curve B unless otherwise noted. Readings are taken with a color-bar signal input. no mark : PAL () : SECAM [] : NTSC 3.58 () : NTSC 4.43 Readings are taken with a 10 MW digital multimeter. Voltage are dc with respect to ground unless otherwise noted.	COIL CAPACITOR	: * : LF-8L : TA : PS : PP : PT : MPS : MPP : ALB : ALT : ALR	ADJUSTMENT RESISTOR MICRO INDUCTOR TANTALUM STYROL POLYPROPYLENE MYLAR METALIZED POLYESTER METALIZED POLYPROPYLENE BIPOLAR HIGH TEMPERATURE HIGH RIPPLE

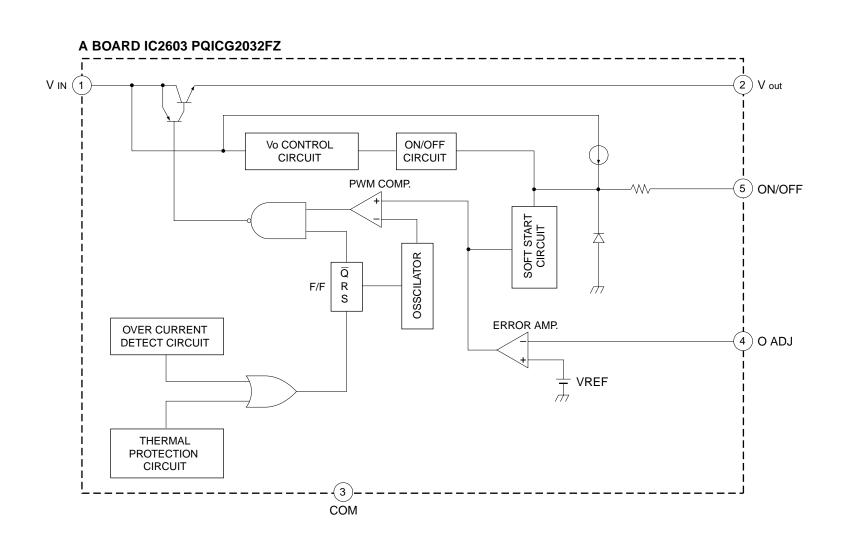
Note: The component identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

A BOARD WAVEFORMS

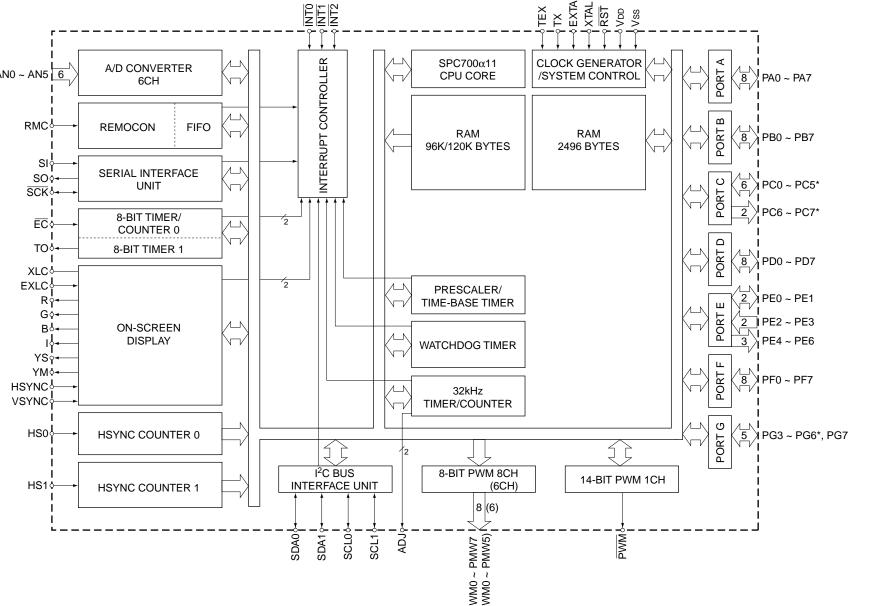


A BOARD * MARK LIST

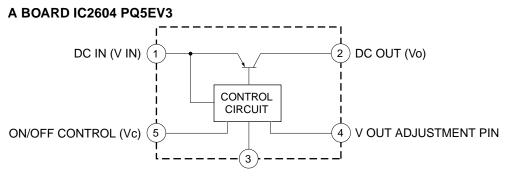
	KV-ES34M31	KV-ES34M61	KV-ES34M80	KV-ES34M90
CN1118	20P	20P	#	#
JR109	#	#	0 : CHIP	#
LP002	#	#	PIN, COATING, LEAD	#
TU101	BTF-WG442	BTF-WG442	BTF-WG434	BTF-WG442



A BOARD IC001 CXP750096-012Q



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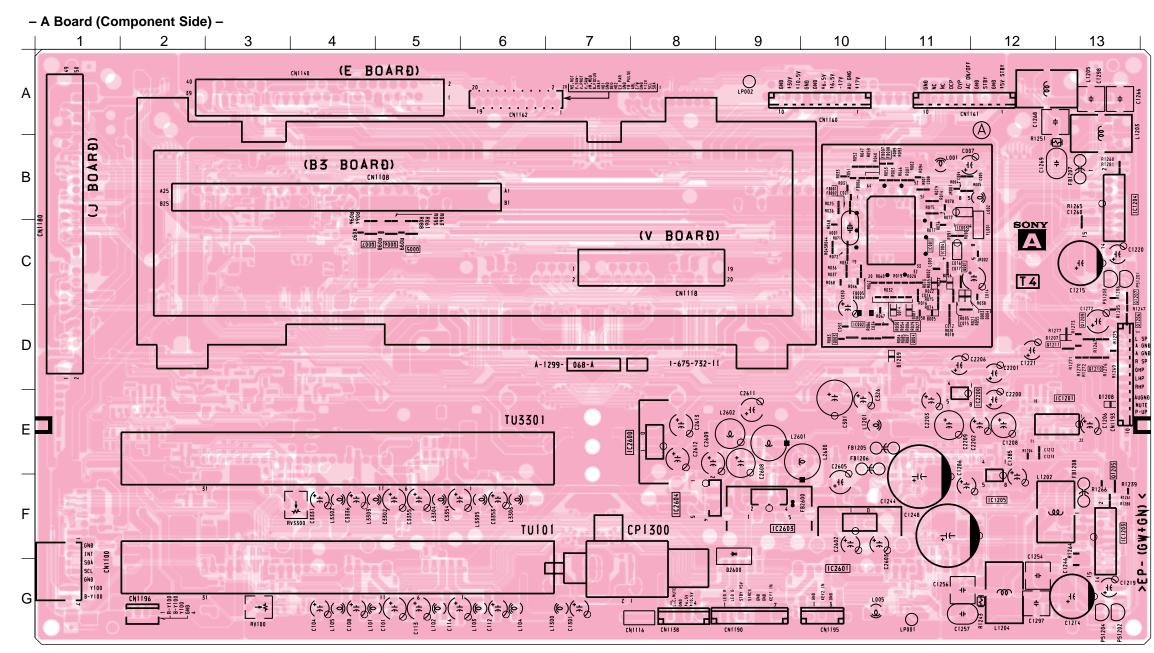


IC	TRANSISTOR	IC		DIO	DE
IC001 B-9 IC002 C-8 IC003 A-8 IC1201 E-13 IC1203 F-13 IC1204 B-13 IC1205 F-12 IC2200 E-12 IC2600 E-8 IC2601 G-10 IC2603 F-9 IC2604 F-8	Q1201 D-12 Q1206 D-13 Q1209 D-13 Q1210 D-13 Q1205 E-13 DIODE D1208 E-13 D1209 D-11	IC100 IC901 IC1203 IC1204 IC2600 IC2601 IC2603 IC2604 TRANSIS Q101 Q301 Q313 Q902 Q2200 Q2201 Q3300	G-10 I-13 G-1 B-1 E-7 F-4 F-5 F-6 STOR G-11 D-4 I-13 D-3 E-4 F-11	D300 D301 D302 D1205 D2200 D2201	A-9 B-9 B-6 F-1 E-3 D-3

- 90 -

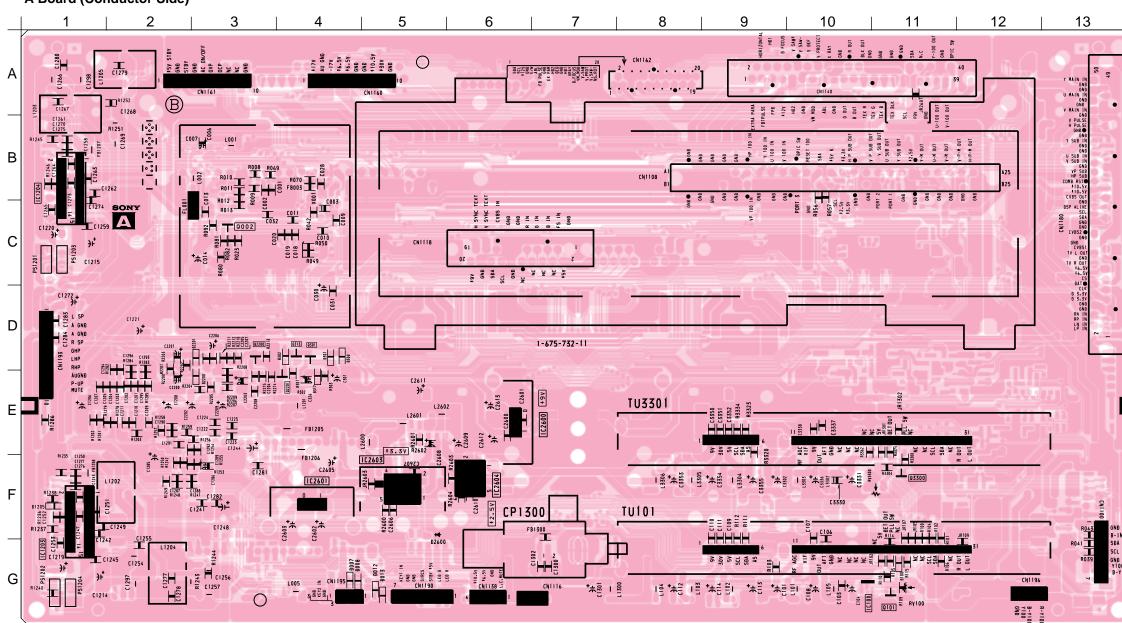
PRINTED WIRING BOARDS

[MAIN-MICON, TUVIF, AUDIO AMP]

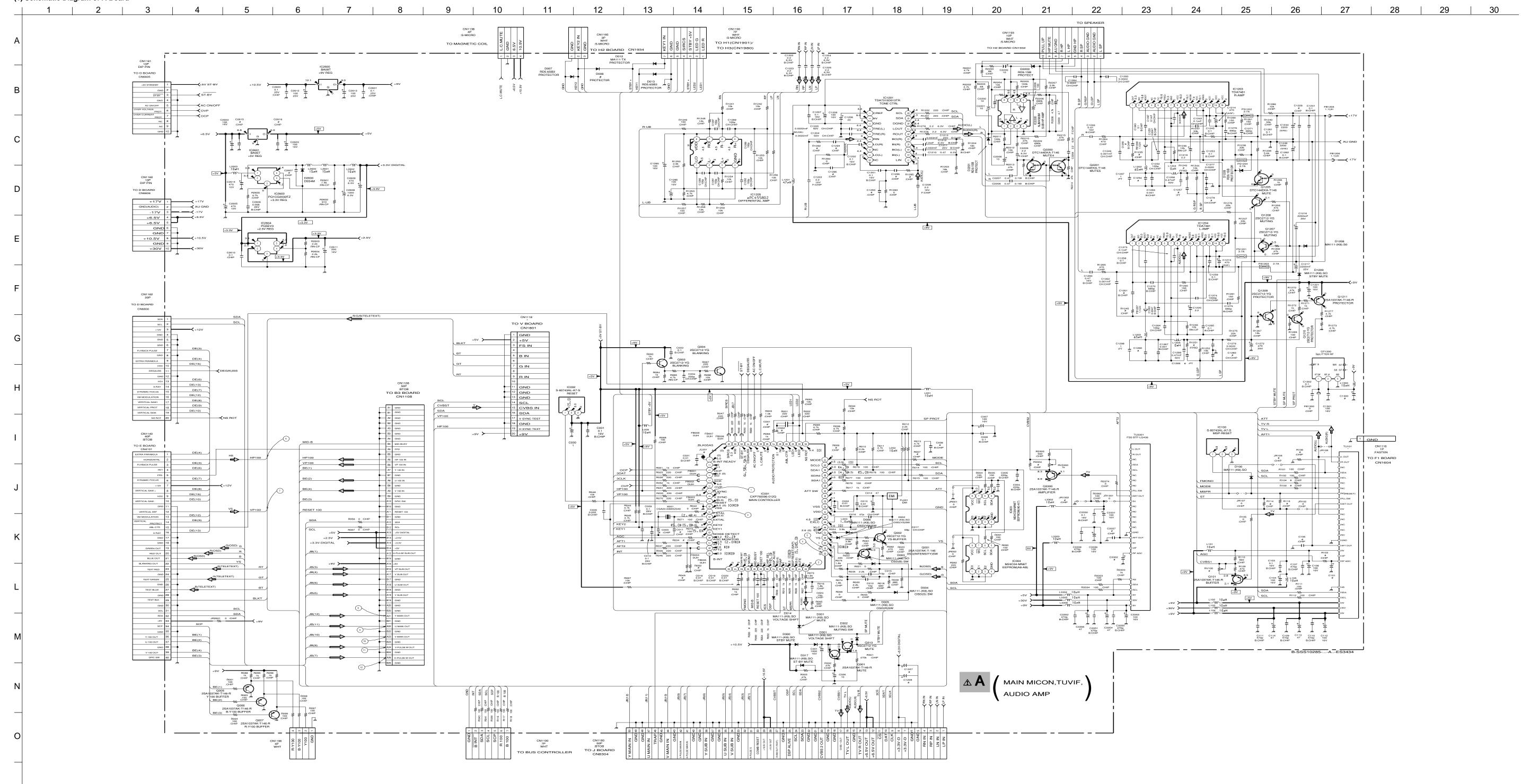


- :Pattern from the side which enables seeing.
- :Pattern from the rear side.

- A Board (Conductor Side) -



- 93 -



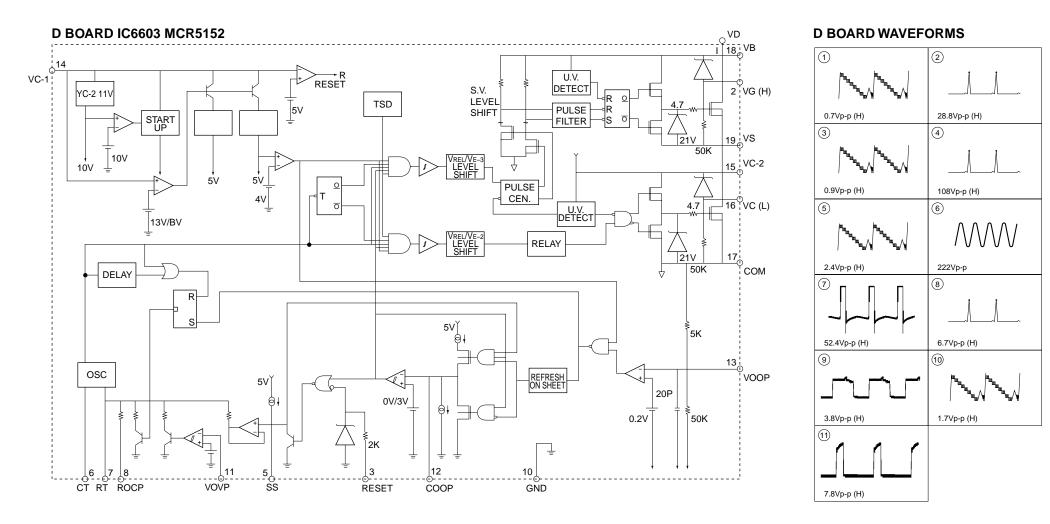
-94 -

-96 -

D6800 RD7.5ESB2 CLAP -15V POWER SUPPLY, DEFLECTION HV D6825 DNA202K CN-PROT CN6810 1P :TAB CN6801 6P TO DY DY CN6800 20P TO A BOARD CN1162 TO C BOARD CN9002 TO C BOARD CN9007

– 100 –

Schematic diagram Schematic diagram **←** A board D board → **- 97 -- 99 -**-98 -



- D Board (Component Side) -5J₩6650 1 N R669 0662

196643

R6603

R6603

R6615

R6614

R6615

R6615

R6615

R6614

R6615

R6614

R6615

R6614

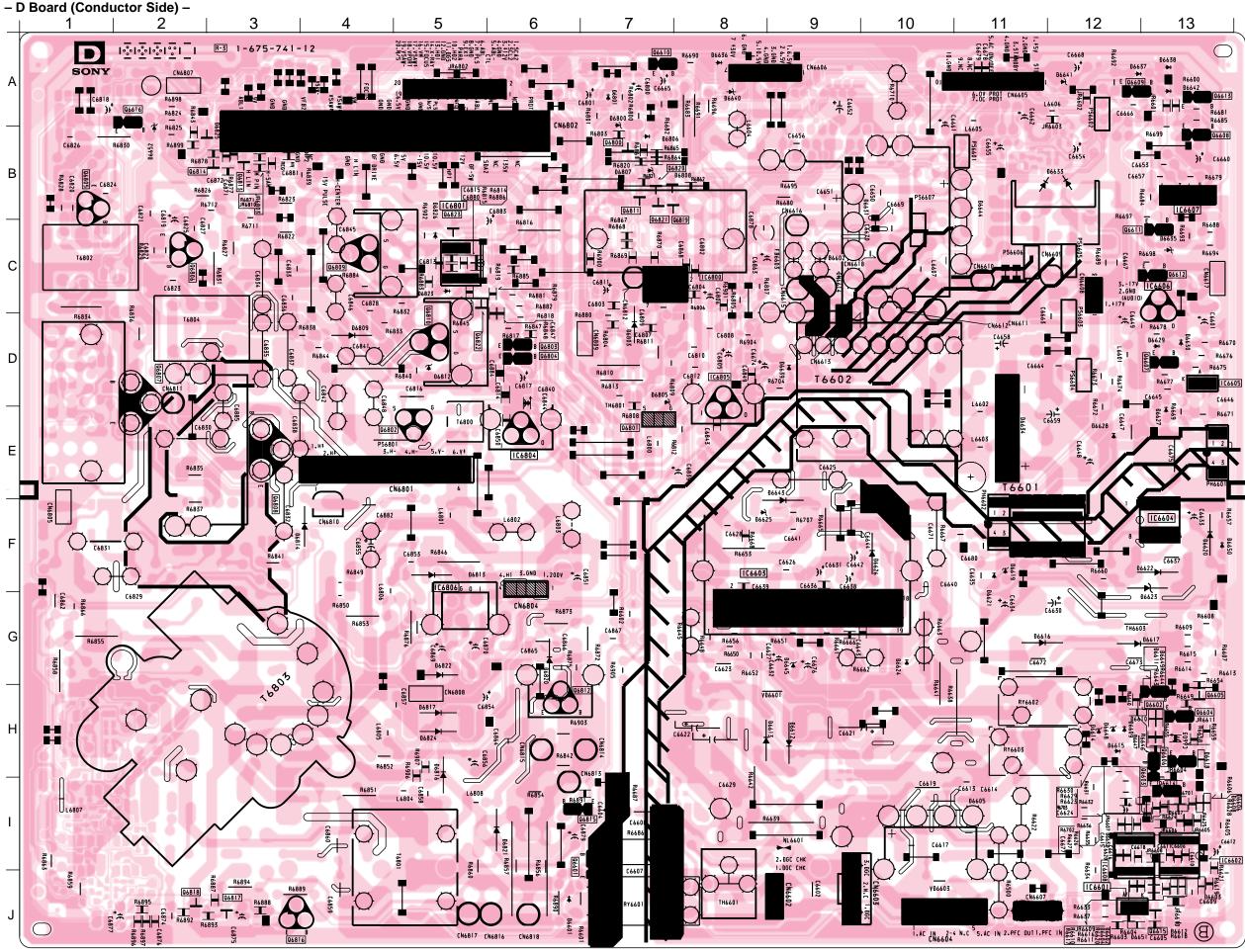
R6615

R6614 R6853 06617 → C6673 J¥6603 J¥6604 ₩6628 106602 1 1 IC660B JW6662 R6633

PRINTED WIRING BOARDS

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[POWER SUPPLY, DEFLECTION, HV]



BOARD	(Component Side)

D BOARD (Conductor Side) DIODE D6642 A-1 Q6807 D-2 D6617 G-12 D6807 B-7 IC D6643 F-5 Q6808 E-3 D6619 F-11 D6808 B-8 IC6601 J-2 D6601 J-8 D6644 C-4 IC6601 J-12 Q6809 C-4 D6620 F-13 D6809 D-4 D6605 I-4 D6645 G-5 IC6602 I-13 Q6810 D-5 D6621 G-11 D6812 D-5 IC6603 G-5 D6609 H-2 D6648 H-2 IC6603 F-8 Q6811 C-7 D6622 F-13 D6813 F-5 IC6604 E-1 D6612 H-5 D6650 F-1 IC6604 F-13 Q6812 H-6 D6624 G-10 D6814 F-4 D6613 H-6 D6800 B-7 IC6605 D-13 Q6815 I-7 D6625 F-9 D6816 I-5 D6614 H-2 D6801 A-7 IC6606 C-13 Q6816 J-3 D6626 F-10 D6817 H-5 D6615 H-2 D6803 D-7 IC6607 B-13 Q6817 J-3 D6627 E-13 D6820 H-6 IC6800 C-8 Q6818 J-3 D6628 E-12 D6821 I-6 D6616 G-3 D6805 E-7
 IC6801
 B-5
 Q6819
 C-8
 D6629
 D-13
 D6822
 G-5

 IC6804
 E-6
 Q6820
 B-7
 D6630
 D-13
 D6824
 H-5
 | IC6801 C-9 | D6617 G-2 | D6806 B-7 IC6804 E-8 D6619 F-3 D6807 B-7 | C6805 D-8 | Q6821 C-7 | D6631 B-10 | D6825 B-3 | | C6806 F-5 | Q6822 D-5 | D6632 | L-13 | D6826 C-5 | | C6805 C-5 | | C6805 C-5 | D6634 | C-13 | | C6805 C-5 | | C6805 C-5 | | C6805 C-13 | | C6805 C-1 IC6805 E-6 D6620 F-1 D6809 D-10 IC6806 G-9 D6621 F-3 D6812 D-9 | TRANSISTOR | D6621 | F-3 | D6812 | D-9 | D6622 | F-2 | D6813 | F-9 | D6623 | G-2 | D6814 | F-11 | D6624 | G-4 | D6816 | I-9 | D6625 | F-6 | D6817 | H-9 | D6626 | F-4 | D6820 | H-8 | D6627 | E-1 | D6821 | I-9 | D6627 | E-1 | D6821 | I-9 | D6628 | F-2 | D6821 | I-9 | D6628 | I-9 | TRANSISTOR

Q6825 C-5

D16634 E-11

D6635 C-13

D6602 G-12

Q6601 J-6

Q6602 G-12

Q6603 H-13

Q6604 H-13

Q6604 H-13

Q6605 H-13

D6603 J-13

D6638 A-13

D6639 D-9

D6640 A-8

D6607 D-13

D6606 I-13

D6640 A-8

D6641 A-12

D6607 I-12

Q6611 C-12

D6601 I-12

D6601 I-13

D6643 E-9

D6644 C-11

D6642 A-13

D6612 C-13

D6609 H-12

Q6614 I-13

Q6601 B-7

D6614 I-13

D6609 H-12

D6648 H-12

D6649 G-13

D6609 H-12

D6649 G-13

D6600 B-7

D6610 G-13

D6649 G-13

D6600 B-7

D6610 G-13

D6649 G-13

D6600 B-7

D6610 G-13

D6640 G-13

D66
 Q6601
 1-8
 D6623
 G-2
 D6814
 F-11

 Q6602
 G-2
 D6624
 G-4
 D6816
 I-9

 Q6602
 G-2
 D6625
 F-6
 D6817
 H-9

 Q6603
 H-2
 D6626
 F-4
 D6820
 H-8

 Q6604
 H-1
 D6628
 E-2
 D6822
 G-9

 Q6607
 D-2
 D6629
 D-2
 D6823
 C-9

 Q6608
 B-1
 D6630
 D-1
 D6824
 H-10

 Q6609
 A-2
 D6631
 C-5
 D6826
 C-9

 Q6610
 A-7
 D6634
 E-3
 Q6805
 B-12

 Q6611
 C-2
 D6634
 E-3
 Q6806
 C-12

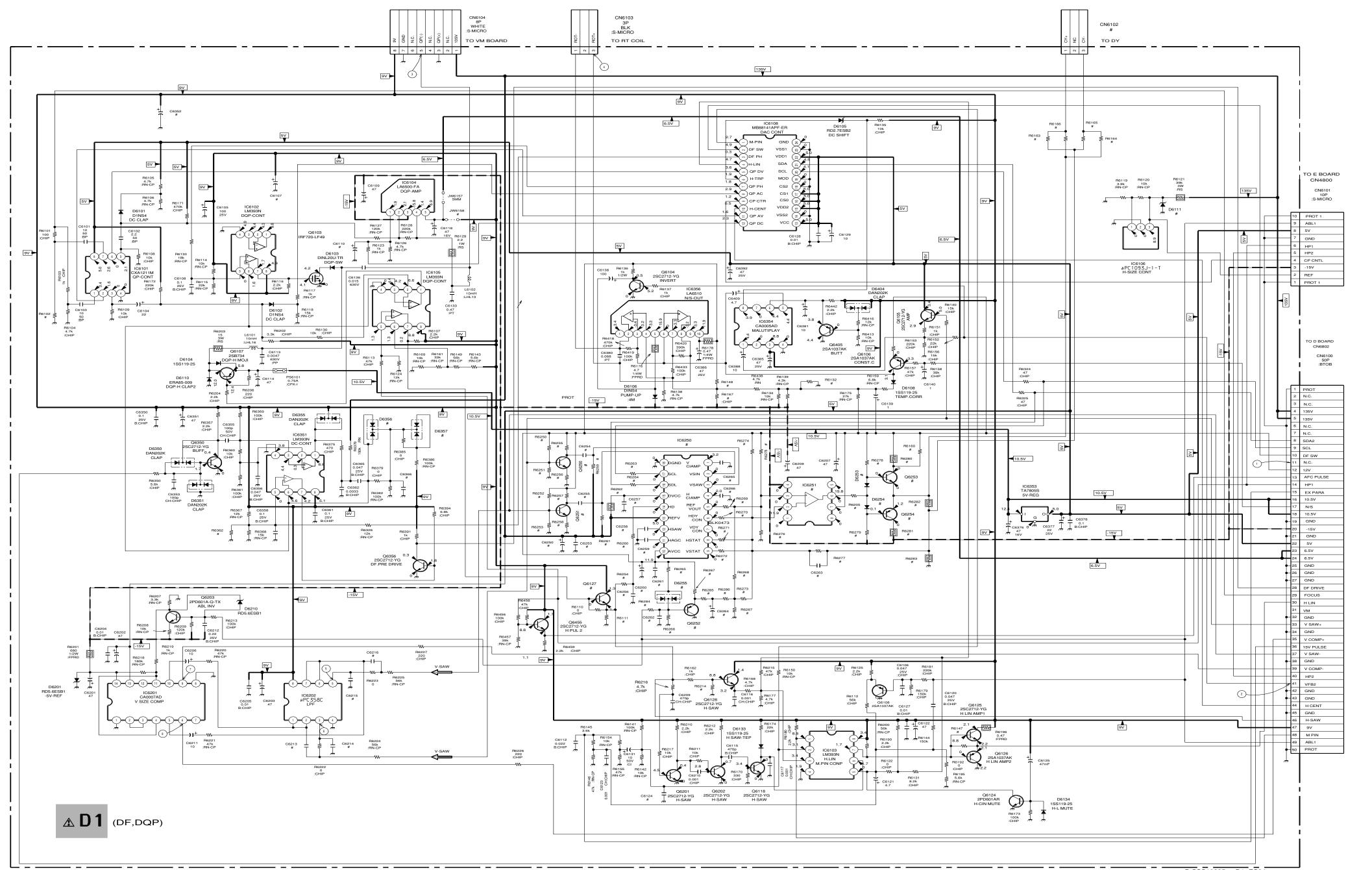
 Q6612
 C-1
 D6635
 C-1
 Q6807
 B-12

 Q6613
 A-1
 D6636
 A-6
 Q6808
 E-11

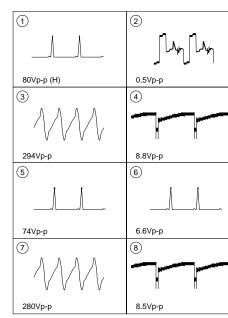
 Q6801
 E-7
 D6638
 A-1
 Q6810
 D-10

 Q6802
 E-9
 D6639</td

- Pattern from the side which enables seeing.
- Pattern from the rear side.



D1 BOARD WAVEFORMS



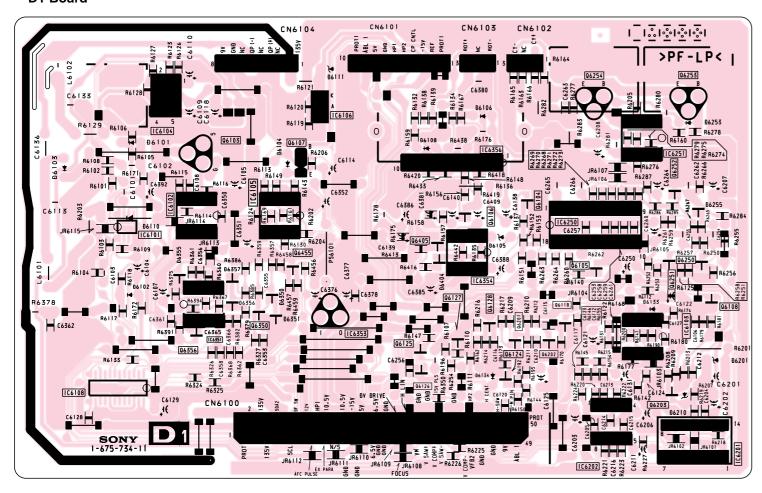
– 107 –

– 108 –

PRINTED WIRING BOARD



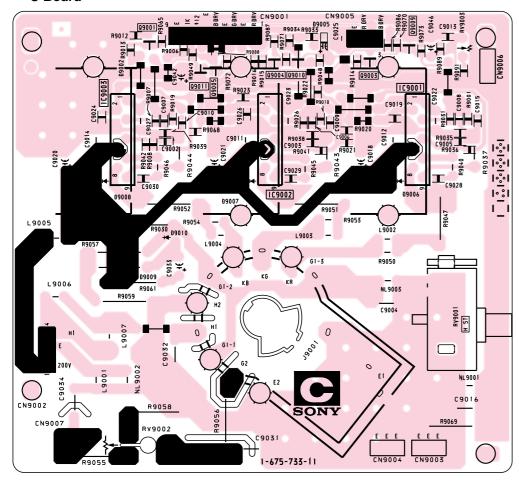
- D1 Board -



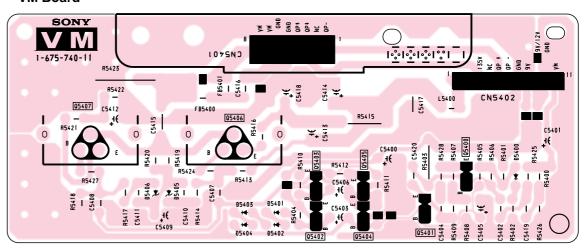
PRINTED WIRING BOARDS



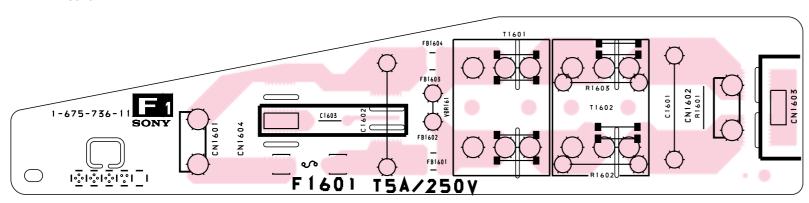
- C Board -



- VM Board -



- F1 Board -



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– 113 –

B-SSSAG3-...-VM.-ES34

Q4808 2SA1037 H PRE DRIVE1 -15V

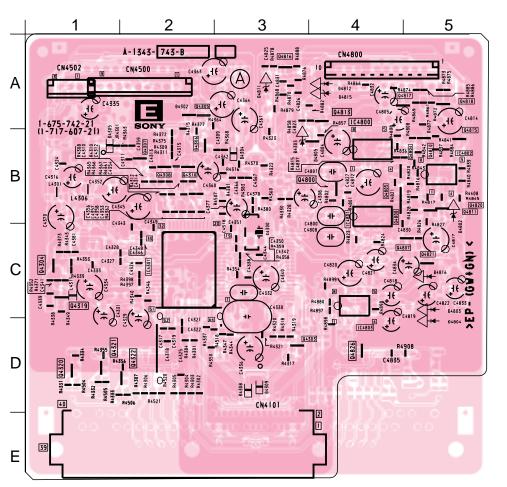
– 119 –

⚠ E (RGB OUT, DEFLECTION)

PRINTED WIRING BOARDS

[RGB OUT, DEFLECTION]

- E Board (Component Side) -



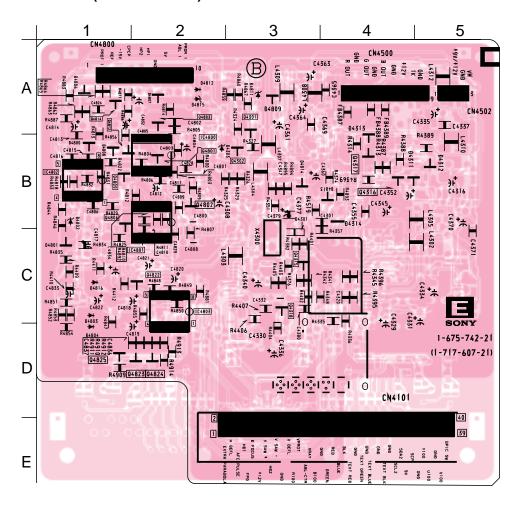
- :Pattern from the side which enables seeing.
- Pattern from the rear side.

E BOARD (Component Side)								
IC		Q4320	D-1	DIODE				
IC4301 IC4800 IC4801 IC4802	C-2 A-4 C-4 B-5	Q4321 Q4322 Q4800 Q4804 Q4805	D-1 D-2 B-4 B-5 B-4	D4302 D4303 D4304 D4305	A-2 B-3 B-3 B-12			
TRANSI	D-4 STOR	Q4806 Q4807 Q4808	B-2 C-5 B-4	D4308 D4309 D4802	D-3 D-3 B-5			
Q4303 Q4304 Q4305 Q4307 Q4308 Q4310 Q4319	D-4 C-1 A-2 B-2 B-2 B-2 C-1	Q4810 Q4811 Q4813 Q4815 Q4816 Q4817 Q4818	B-5 B-5 A-4 B-5 A-3 A-5 A-5	D4805 D4806 D4811 D4812 D4815	B-4 C-5 A-3 A-4 A-4			

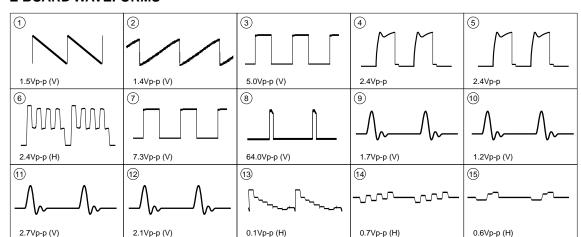
F DOADD (Conductor Cide)

E BOARD (Conductor Side)								
IC		Q4806 Q4809	B-12 B-1	D4806 D4807	A-1 A-2			
IC4800 IC4801	B-2 C-2	Q4812 Q4814	A-1 A-1	D4808 B-	B-1 A-3			
IC4802 IC4803	B-1 C-2	DIODE		D4811 D4812	A-3 A-2			
TRANSI	STOR	D4301 D4303	C-3 B-3	D4813 D4814	B-4 B-3			
Q4301 Q4302	A-3 B-3	D4311 D4312	B-5 B-5	D4815 D4819	A-2 C-3			
Q4315 Q4316	C-3 B-4	D4313	A-4					
Q4317	B-4	B-4 D4801 C-1						
Q4318 Q4801	D-3 B-2	D4802 D4803	B-1 C-1					
Q4802	B-2	D4804	C-1					

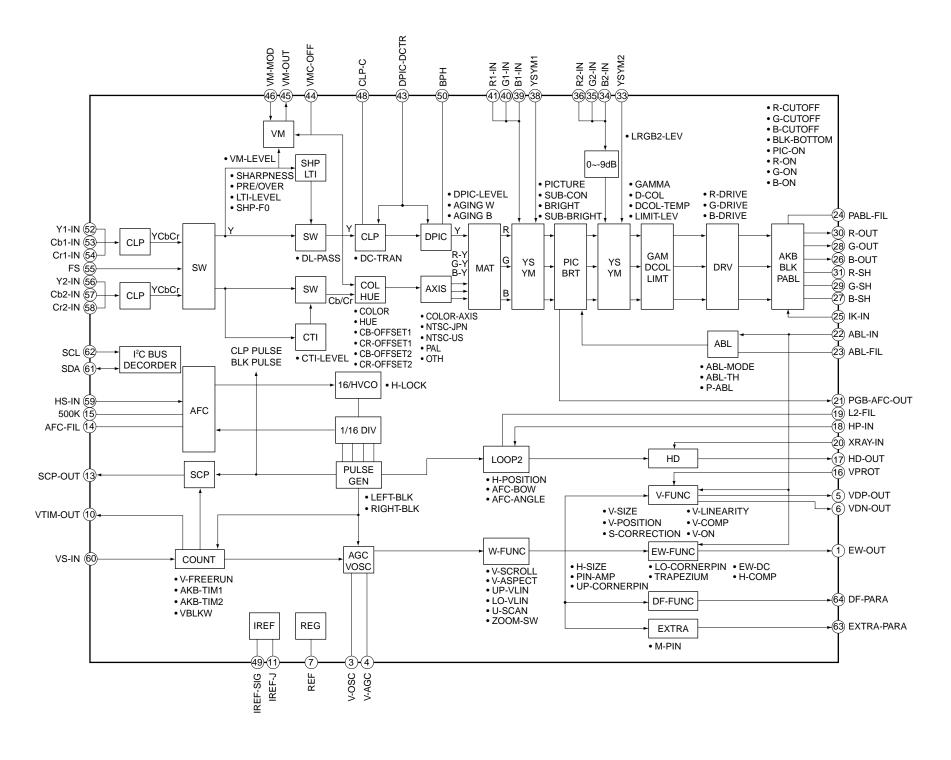
- E Board (Conductor Side) -

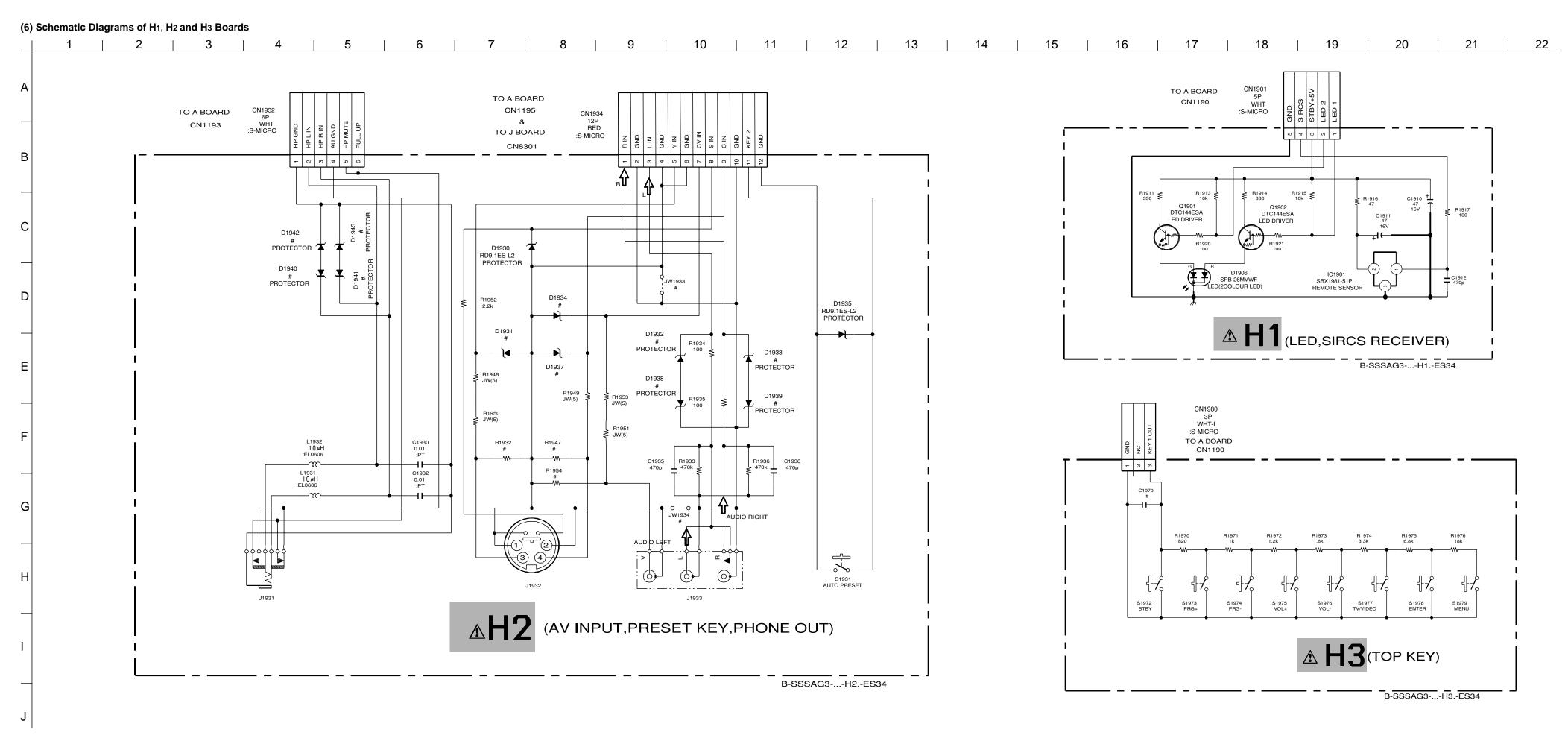


E BOARD WAVEFORMS



E Board IC4301 CXA2100AQ





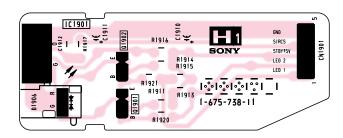
PRINTED WIRING BOARDS

H1 [LED, SIRCS RECEIVER]

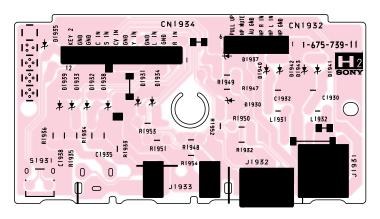
H2 [AV INPUT, PRESET KEY, PHONE OUT]

H3 [TOP KEY]

- H1 Board -



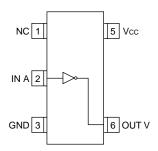
- H2 Board -



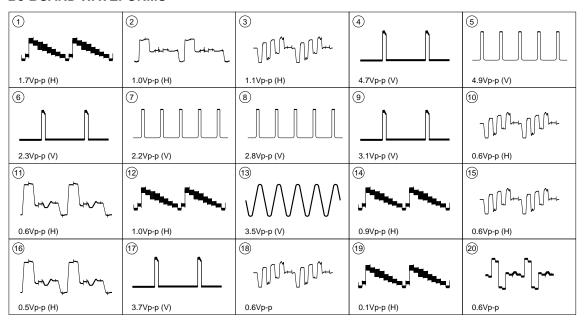
- H3 Board -



B3 BOARD IC309, IC505 AND IC506 TC7SET04F (TE85R)



B3 BOARD WAVEFORMS



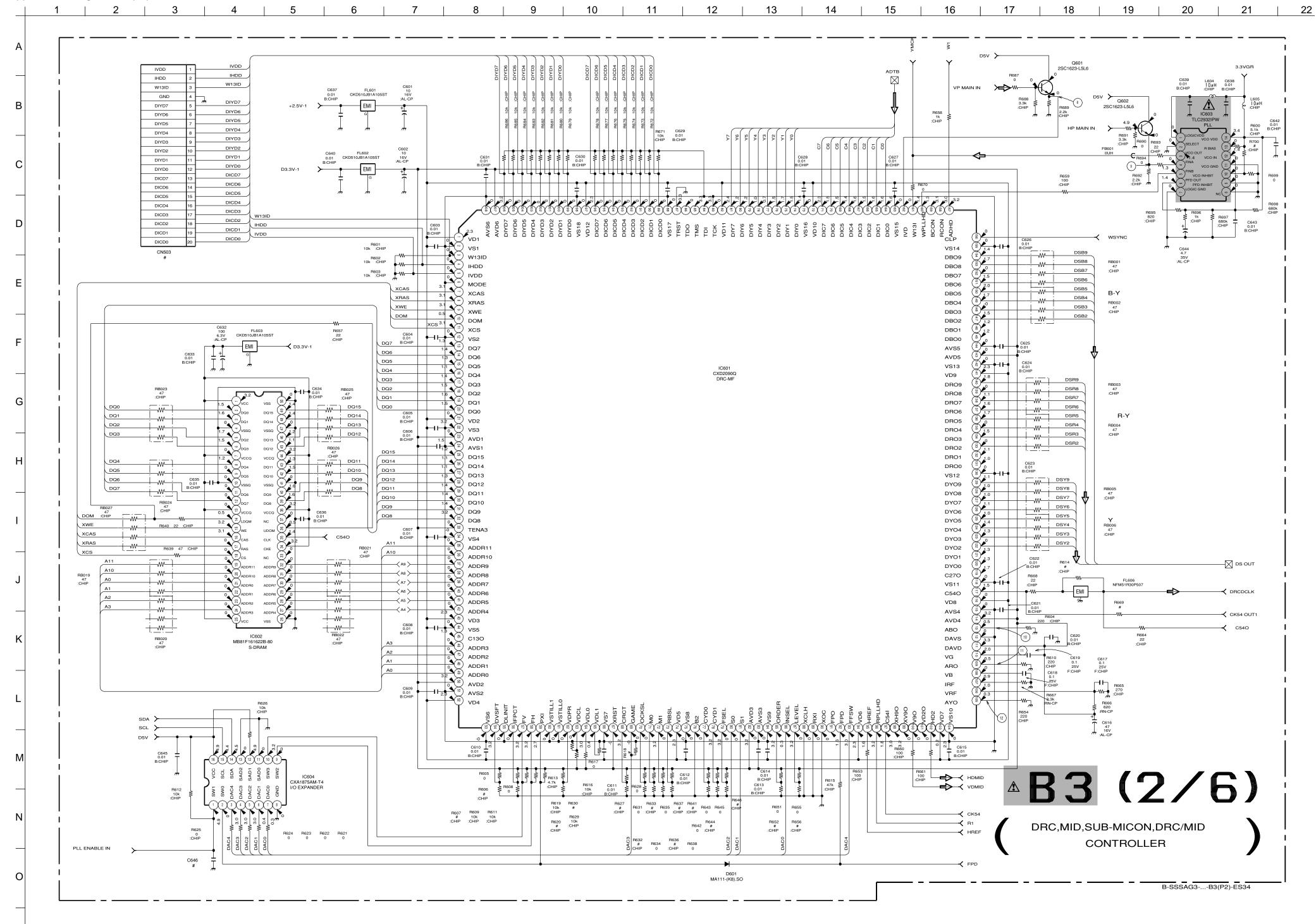
– 131 –

– 132 –

– 130 –

(7) Schematic Diagram of B₃ (1/6) Board

– 129 –

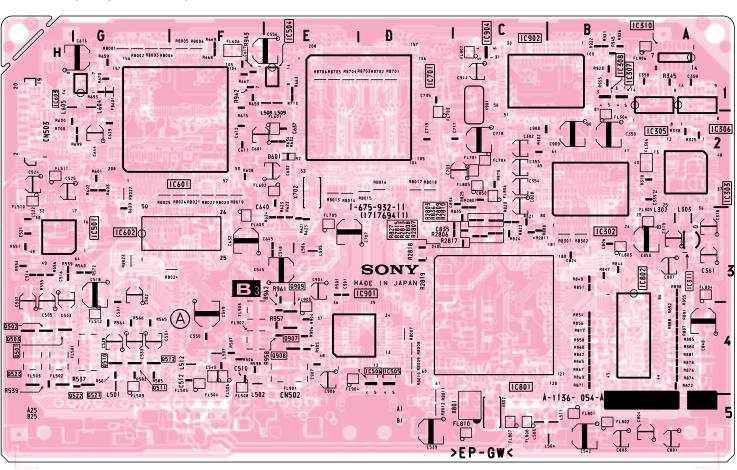


– 134 –

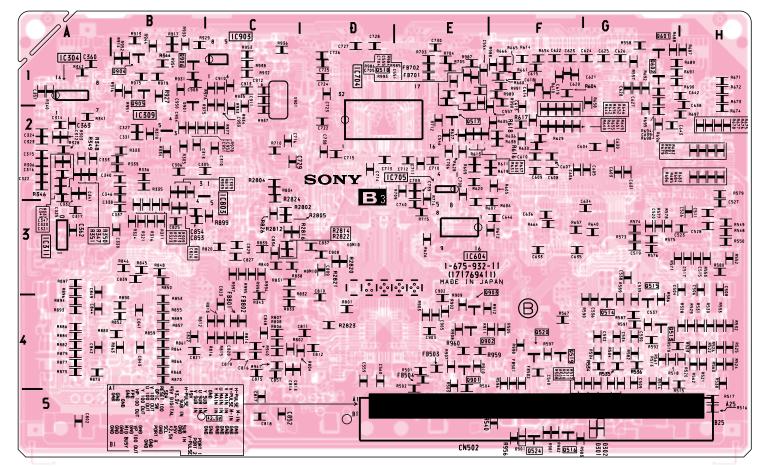
PRINTED WIRING BOARDS

B3 [DRC, MID, SUB MICON, DRC/MID CONTROLLER]

- B3 Board (Component Side) -



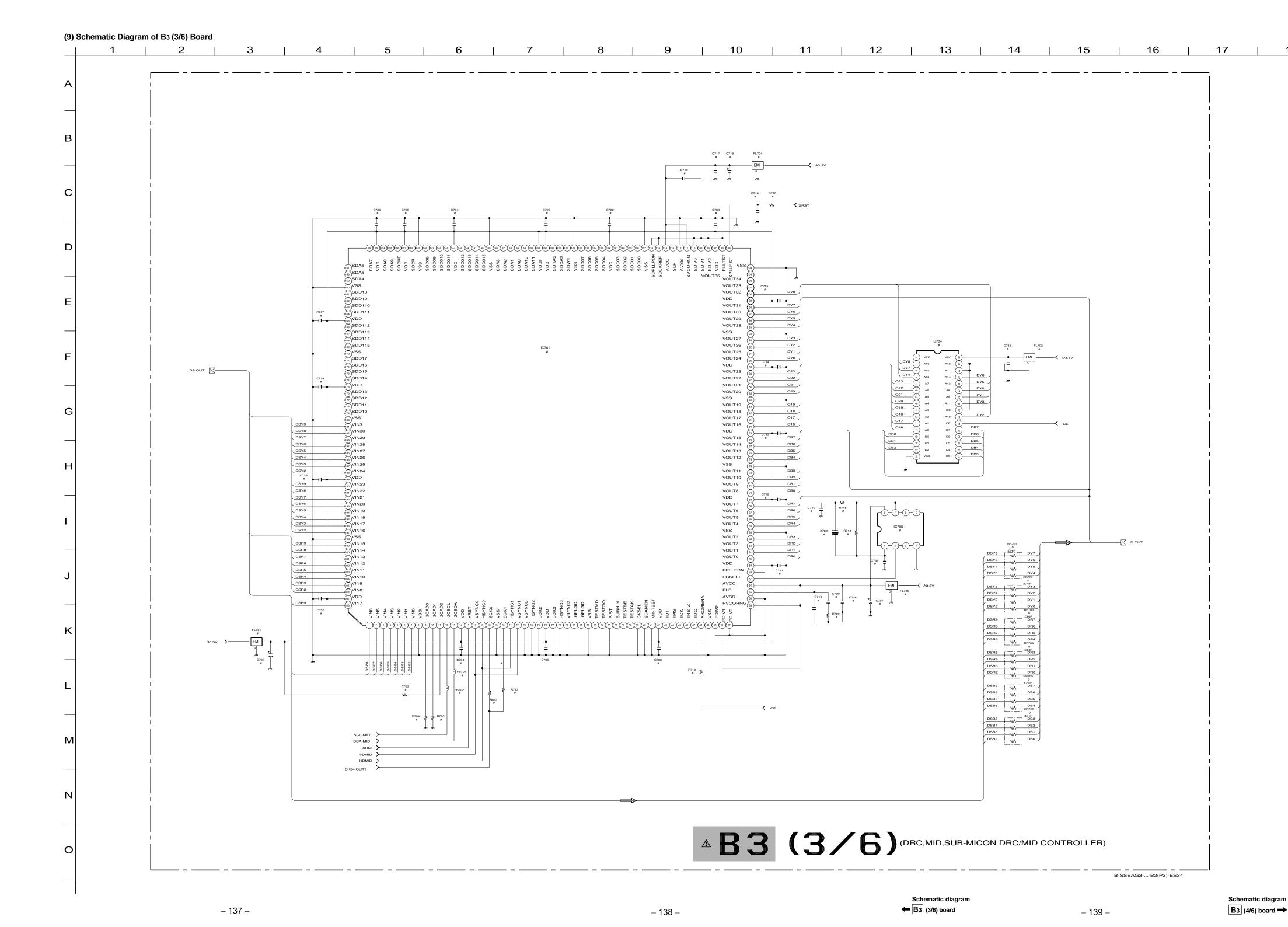
- B3 Board (Conductor Side) -

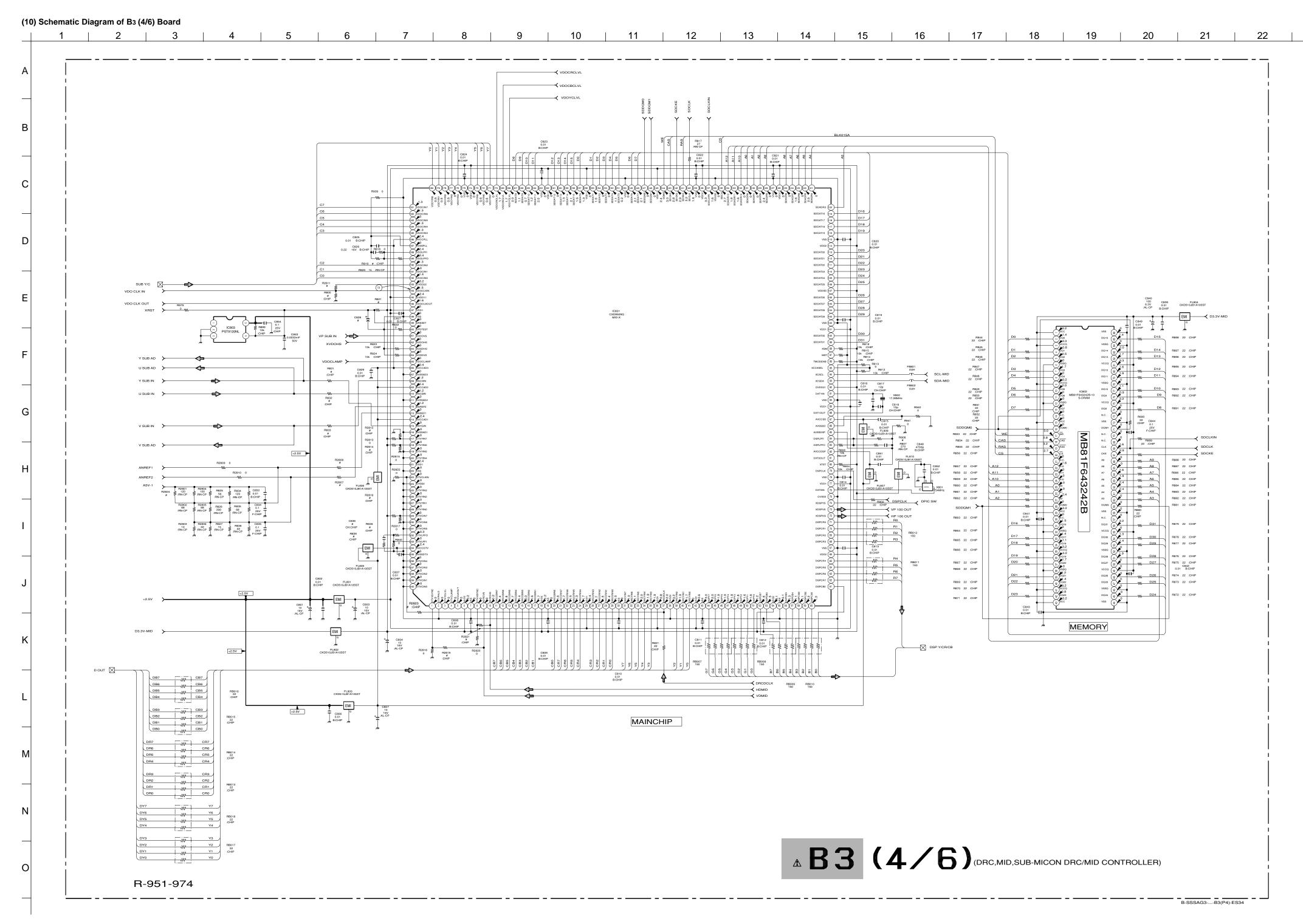


B3 BOARI	ompone	ent Sid	le)	ВЗ ВОА	RD (C	onducto	or Side)				
IC		TRANS	ISTOR		IC		Q519 Q520	D-6 D-6			
IC303 E IC305 E IC306 E IC307 A IC308 A IC310 A IC311 C	5-7 3-8 3-7 3-8 3-7 3-7 3-7 3-7	Q501 Q502 Q503 Q510 Q511 Q512 Q521 Q522 Q523	D-6 E-7 F-6 D-2 F-1 D-2 E-2 E-1		IC304 IC309 IC311 IC604 IC704 IC705 IC803 IC903	A-1 B-2 C-1 C-5 A-4 B-4 C-3 A-3	Q520 Q524 Q601 Q602 Q901 Q902 Q903 Q904 Q905 Q906	D-6 E-6 A-7 A-7 D-5 D-5 C-6 A-2 A-2			
IC504 A IC505 D	A-4 Q907 D-4 D-5 Q908 D-3 D-4 Q909 C-4 I-8 H-6 DIODE	A-4 Q907 D-4 D-5 Q908 D-3	D-5 Q908 D-3	D-3	D-4 D-3	Q907 D-4 Q908 D-3		TRANS Q513 Q514	D-7 D-7	DIO D301	
		DIODE			Q514 Q515 Q516	C-7 E-6	D302	B-5			
IC701 A IC801 E IC802 C	0-8 1-5 1-6 1-7 1-13	D601	I-8		Q516 Q517 Q518	B-5 A-4	D901	B-11			
	N-6 N-6										

• :Pattern from the side which enables seeing. :Pattern from the rear side.

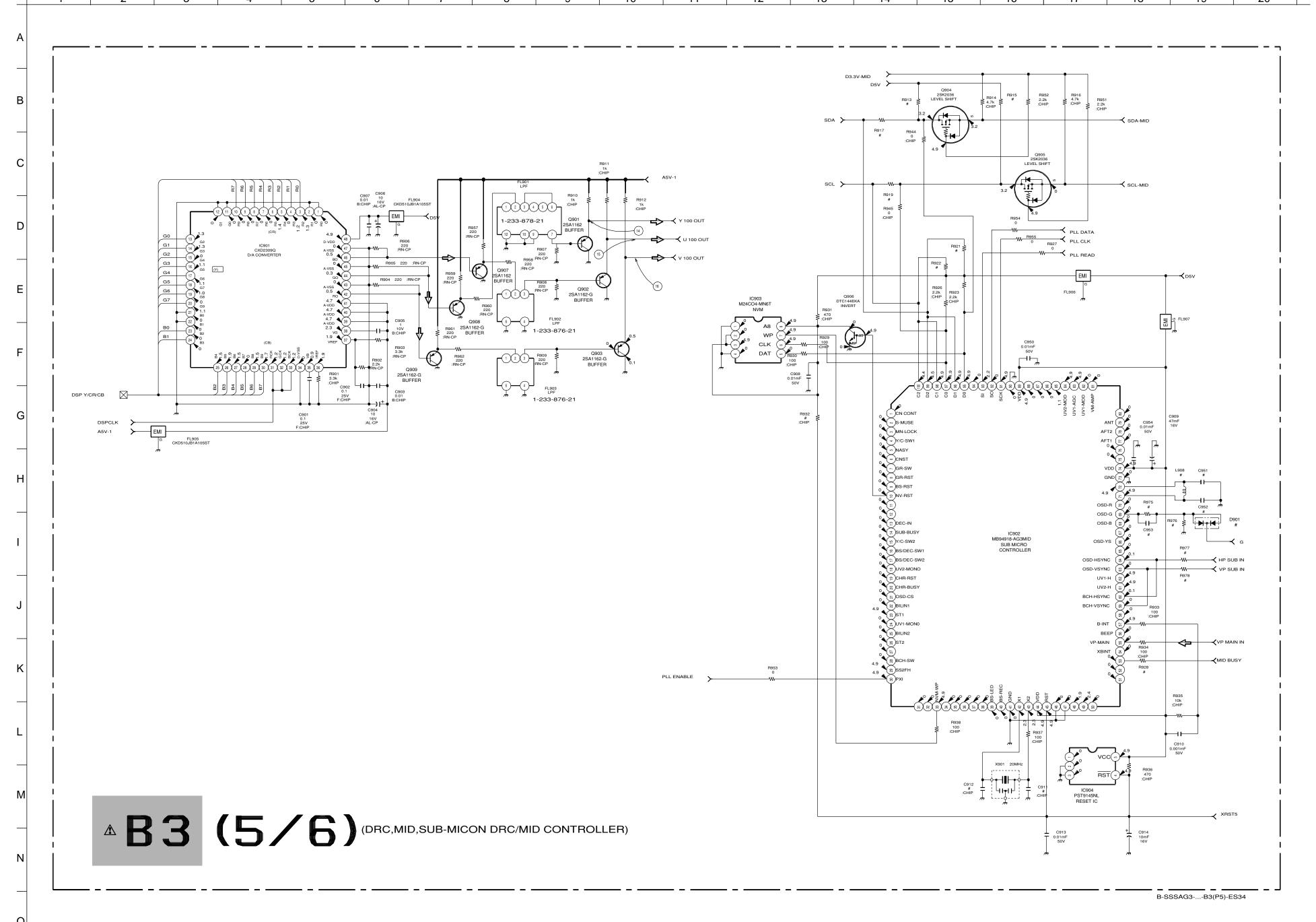
– 135 –





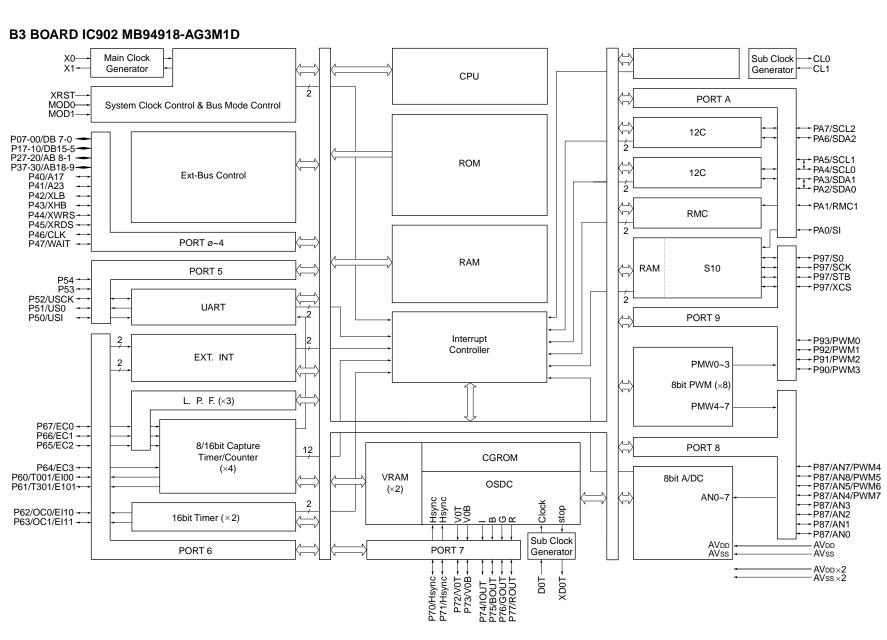
– 140 –

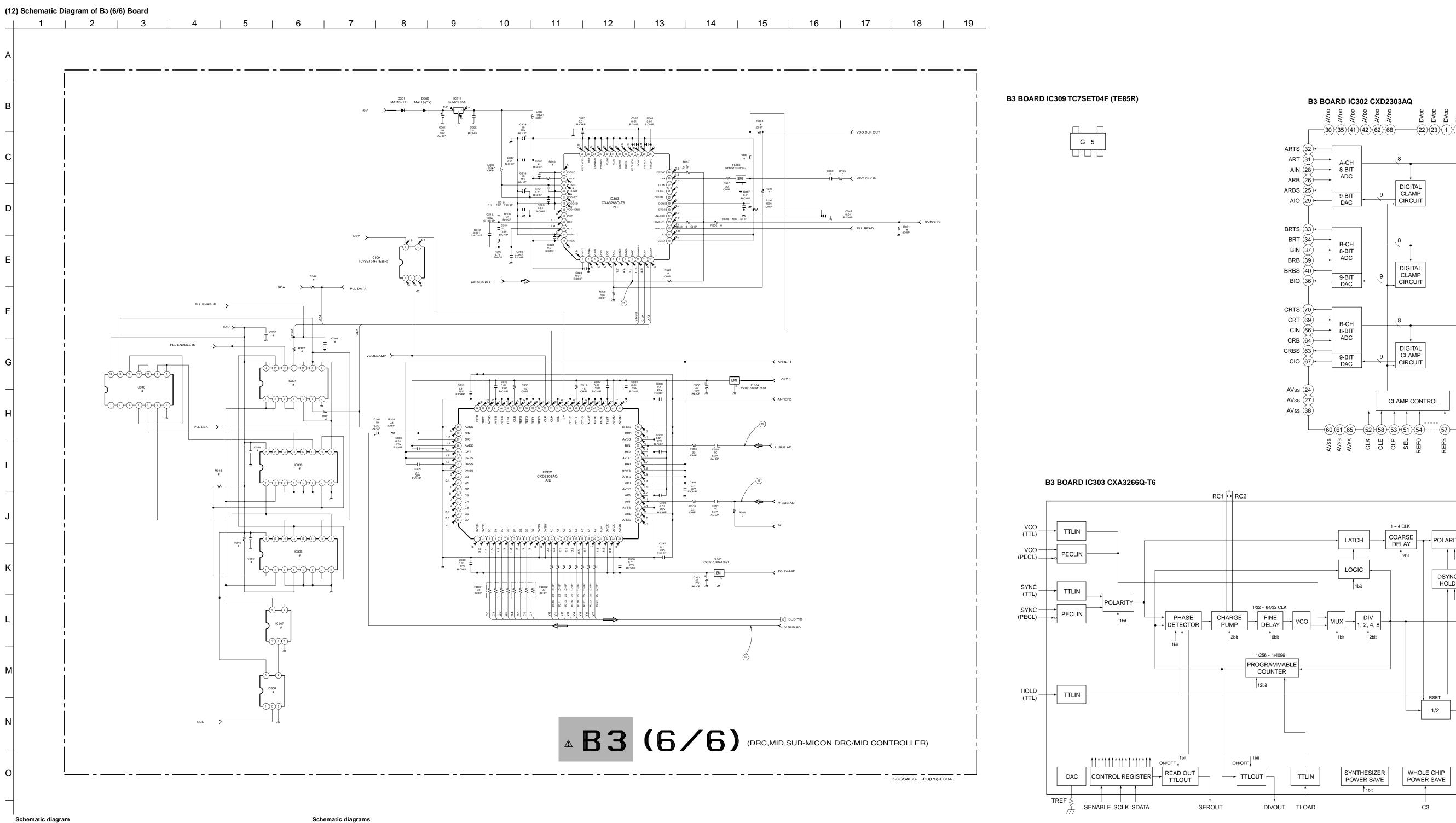
23



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B3 BOARD IC901 CXD2309Q (LSB) R0 4LSB'S CURRENT CELLS -(42) RŌ DECODER CURRENT CELLS R7 (8)-DECODER CLOCK **GENERATOR** (MSB) R9 (10) RCK (31 (LSB) G0 (1 4LSB'S →(44) GŌ CURRENT CELLS 6LSB'S DECODER CELLS G6 (17)— G7 (18)-G8 (19)— DECODER CLOCK GENERATOR (MSB) G9 (20)-(LSB) B0 (2 4LSB'S CURRENT -(46) BŌ CELLS 6LSB'S DECODER CURRENT 40 AVDD CELLS (39) AVDD DECODER CLOCK GENERATOR BCK (33) CURRENT CELLS (FOR FULL SCALE) DV_{DD} (48) BIAS VOLTAGE





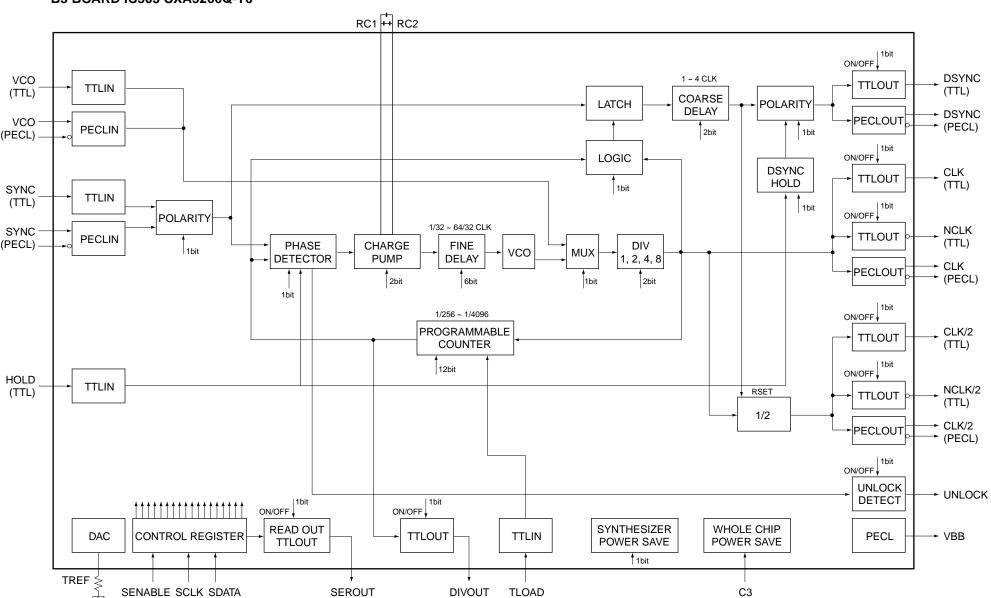
-148 -

← B3 (5/6) board

B3 (6/6) board →

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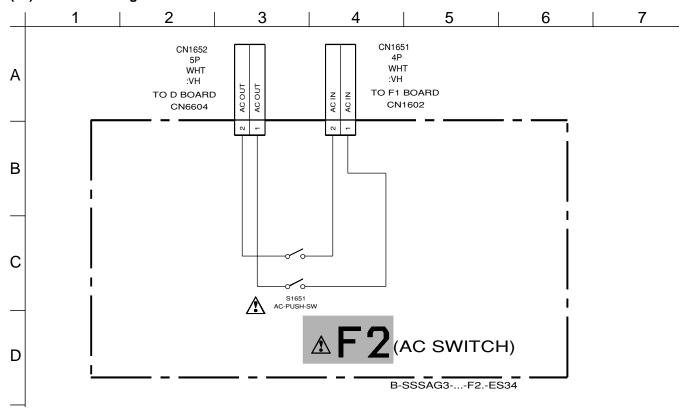
B3 BOARD IC302 CXD2303AQ 30 35 41 42 62 68 22 23 1 2 11 12 71 A-CH →(13) A0 (LSB) 8-BIT ADC →(20) A7 (MSB) DIGITAL ARBS (25)← CLAMP 9-BIT AIO (29)**←** CIRCUIT -(44) XAOE BRTS (33)**←** →(3) B0 (LSB) B-CH 8-BIT SELECTOR →(10) B7 (MSB) ADC LATCH DIGITAL BRBS (40)**←** CLAMP 9-BIT DAC -(45) XBOE CIRCUIT →(73) C0 (LSB) B-CH →(80) C7 (MSB) 8-BIT ADC DIGITAL -(46) XCOE CRBS (63)← CIO (67)← CIRCUIT →(21) TGR —(47) CTL0 DECODER 49 CTL2 CLAMP CONTROL



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– 150 –

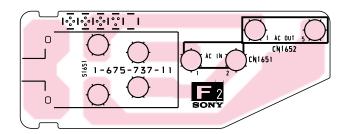
(13) Schematic Diagram of F2 Board



PRINTED WIRING BOARD



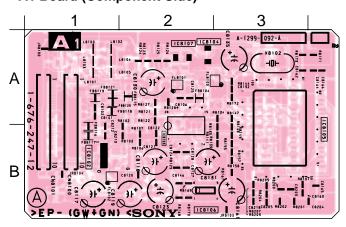
- F2 Board -



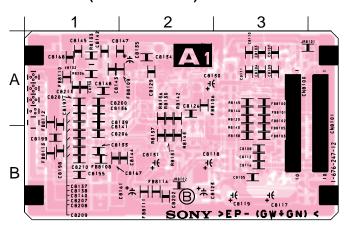
PRINTED WIRING BOARDS



- A1 Board (Component Side) -

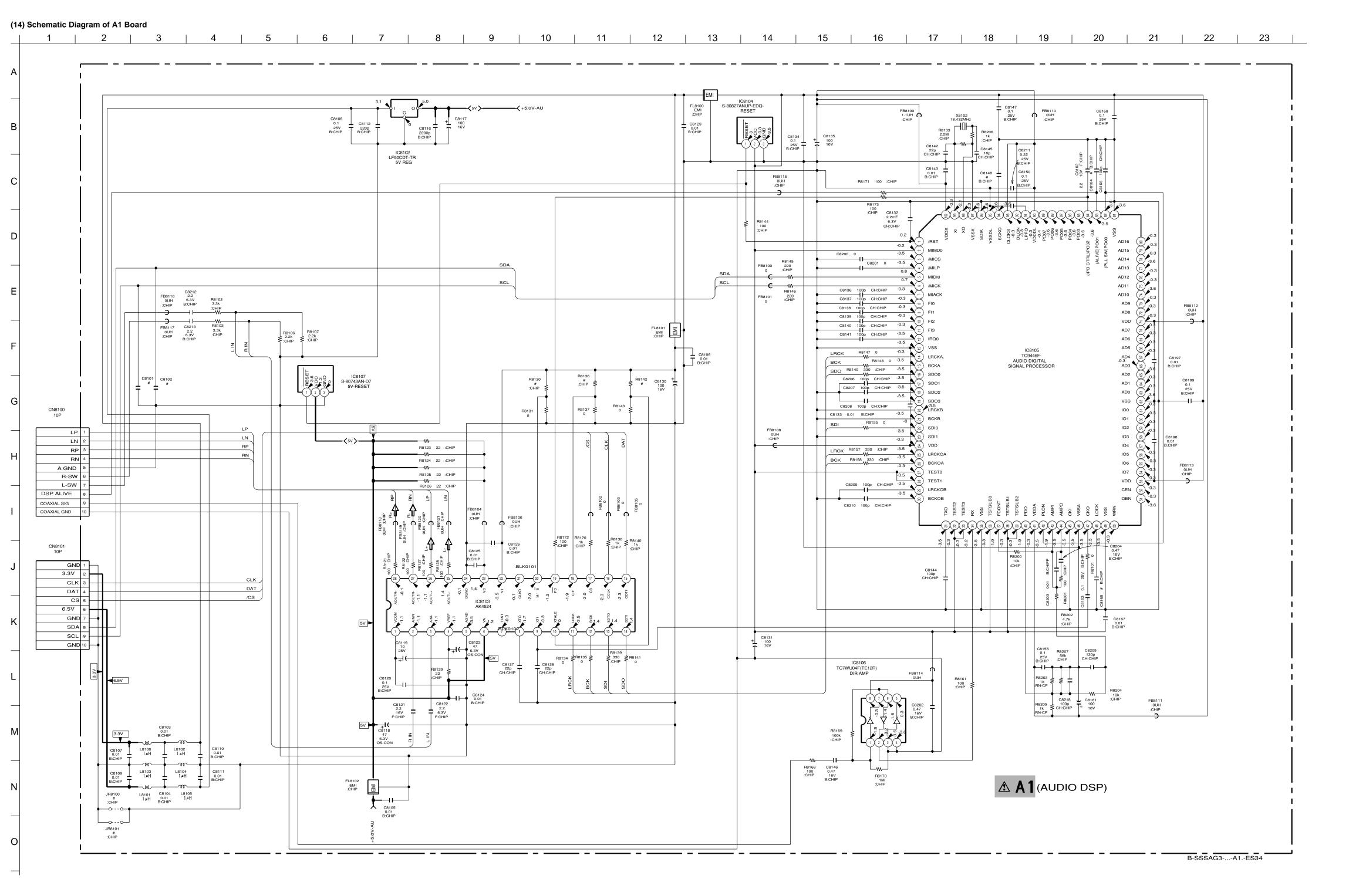


- A1 Board (Conductor Side) -

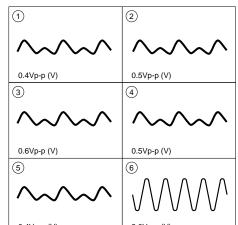


A1 BOARD (Component Side)

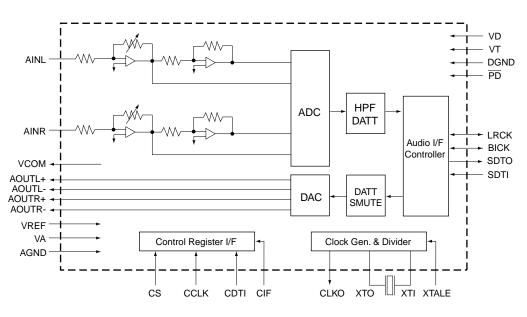
IC						
IC8102	B-1					
IC8104	A-2					
IC8105	B-4					
IC8106	B-3					
IC8108	B-1					

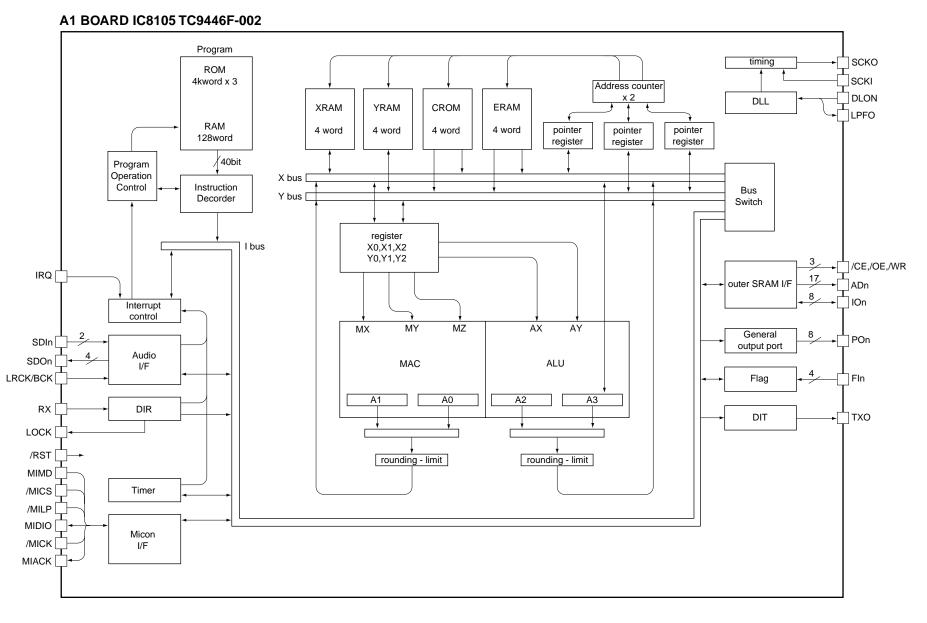






A1 Board IC8103 AK4524





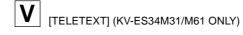
– 153 –

– 155 –

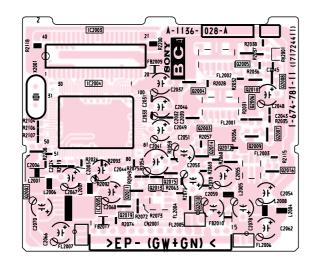
PRINTED WIRING BOARDS



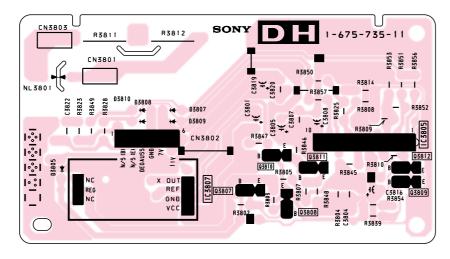




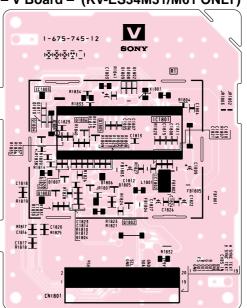
- BC4 Board -



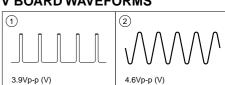
- DH Board -



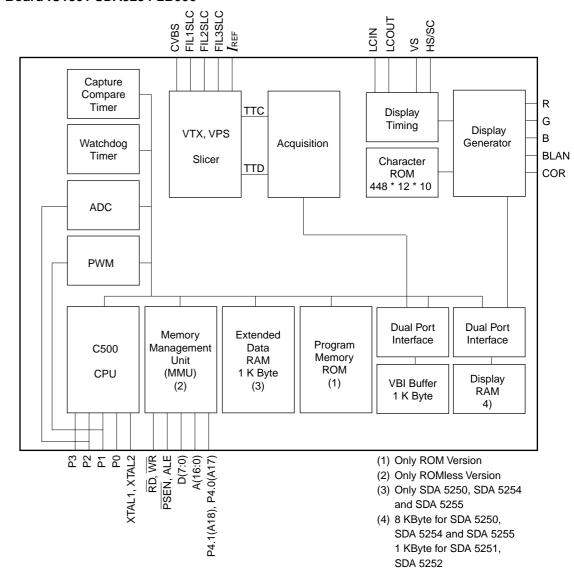
- V Board - (KV-ES34M31/M61 ONLY)



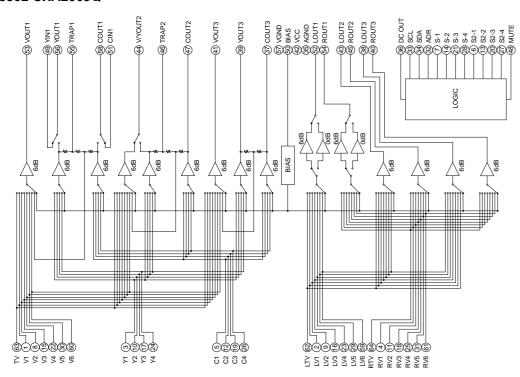
V BOARD WAVEFORMS



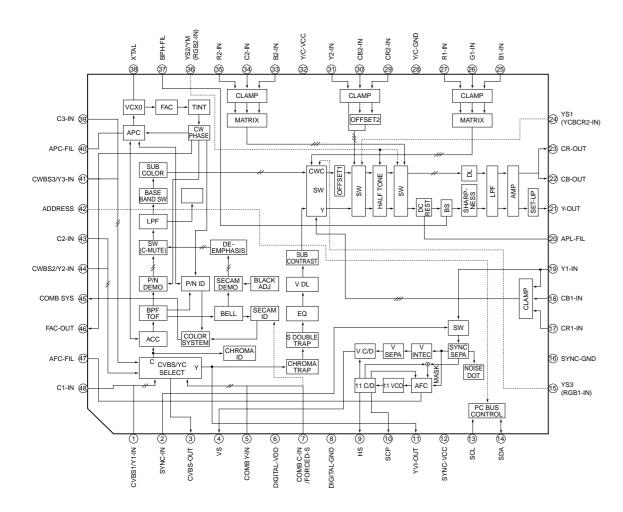
V Board IC1801 SDA5254-2B006



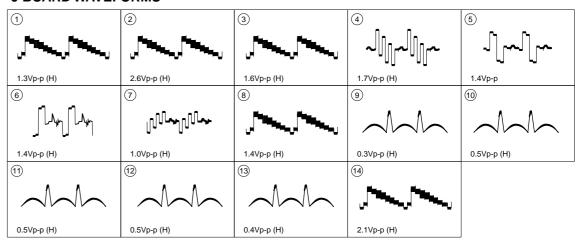
J Board IC8302 CXA2069Q

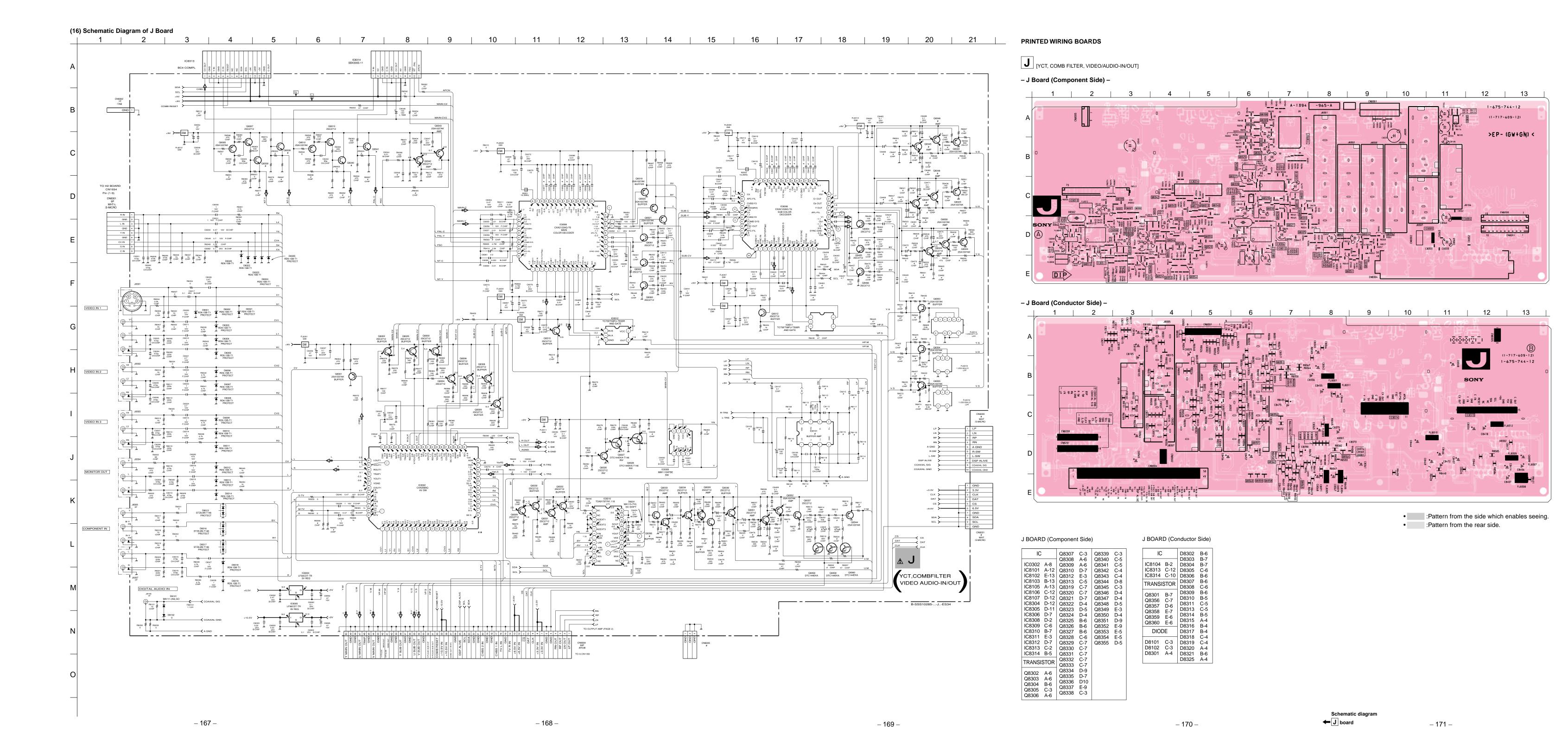


J Board IC8306 CXA2123AQ-T6

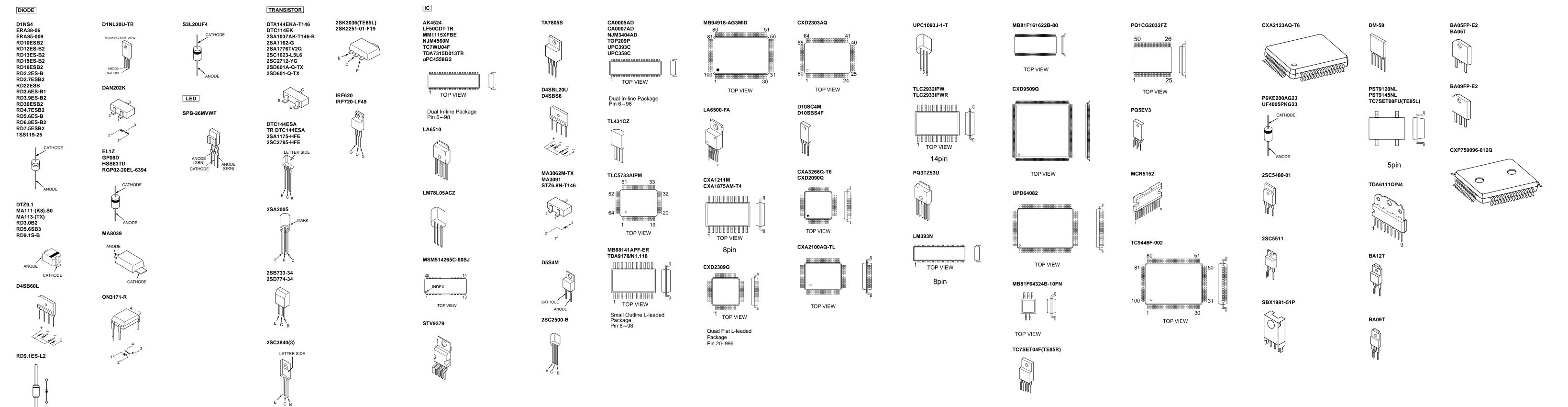


J BOARD WAVEFORMS





6-5. SEMICONDUCTORS



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SECTION 7 EXPLODED VIEWS

NOTE:

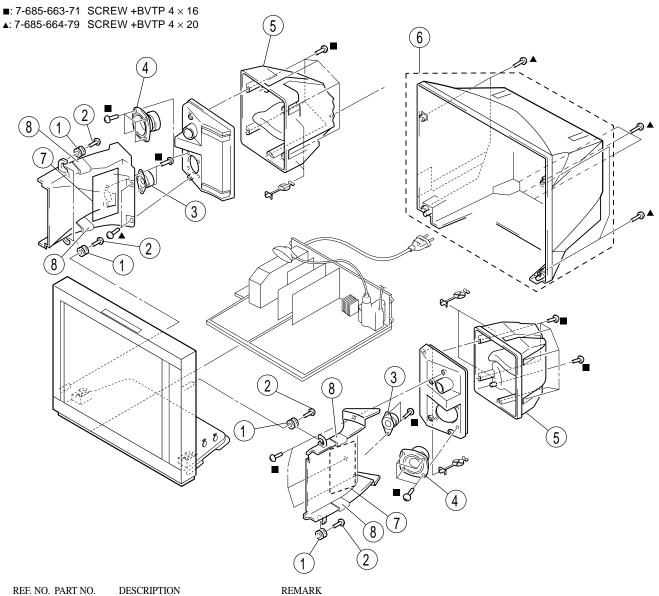
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

CAUTION: The aluminium frame must be connected to the ground with the ground cable from DH board. Failure to do so, may cause the user to suffer electric shock.

7-1. SPEAKER BRACKET

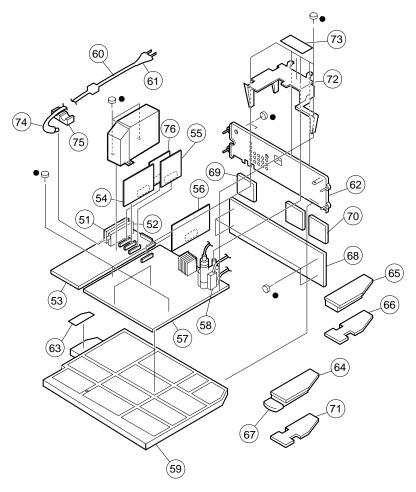


KLI. NO.	TAKI NO.	<u>DESCRIPTION</u>
1	4-374-745-11	CUSHION (A)
2	4-064-929-02	SCREW, TP+TWH 4X25
3	1-529-562-11	SPEAKER (7X4CM)
4	1-505-473-11	SPEAKER (12CM)
5 *	4-071-339-01	DUCT, SPEAKER
6	X-4036-879-1	COVER ASSY, REAR
7 *	4-073-084-01	DUCT, CUSHION
8 *	4-074-512-01	CUSHION (S), DGC

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7-2. CHASSIS

•: 7-685-648-71 SCREW +BVTP 3 × 12



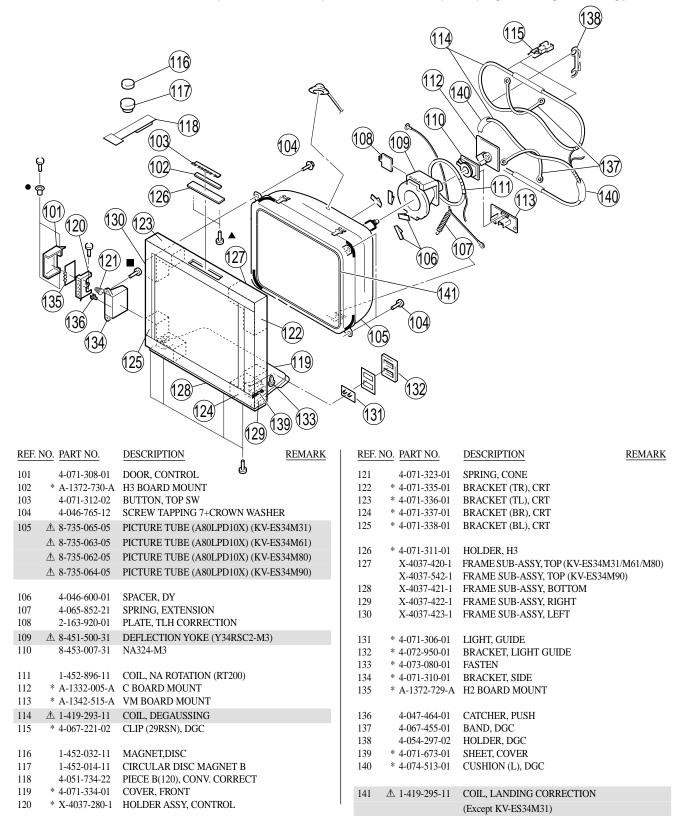
REF. N	NO. PART NO.	DESCRIPTION	REMARK
51	8-598-452-20	TUNER, FSS BTF-WG442	
52	8-598-508-10	TUNER, FSS BTF-LG436	
53	* A-1299-159-A	A BOARD COMPLETE (KV-ES34M31))
	* A-1299-157-A	A BOARD COMPLETE (KV-ES34M61))
	* A-1299-161-A	A BOARD COMPLETE (KV-ES34M80))
	* A-1299-109-A	A BOARD COMPLETE (KV-ES34M90))
54	* A-1136-054-A	B3 BOARD COMPLETE	
55	* A-1343-778-B	E BOARD MOUNT	
56	* A-1343-777-A	D1 BOARD MOUNT	
57	* A-1346-902-A	D BOARD COMPLETE	
58	△ 1-453-326-11	TRANSFORMER ASSY, FLYBACK (NX-	4601//J1J4)
59	* 4-071-314-01	BRACKET, MAIN	
60	₾ 4-022-115-01	HOLDER, AC CORD	
61	₾ 1-792-035-11	CORD, POWER (WITH FILTER) (KV-E	ES34M31)
	₾ 1-791-439-11	CORD, POWER (WITH CONNECTOR)	
		(KV-ES34M61/ES34M80)	
	₾ 1-790-299-11	CORD, POWER (WITH NOISE FILTER	(1)
		(KV-ES34M90)	
62	* 4-071-315-01	BRACKET, TERMINAL	

REF. 1	NO. PART NO.	DESCRIPTION	REMARK
63	* A-1241-402-A	F1 BOARD MOUNT	
64	* 4-071-307-01	HOLDER, F2 BOARD	
65	* 4-071-307-01	HOLDER, H1 BOARD	
66	* A-1372-728-A	H1 BOARD MOUNT	
67	4-071-305-01	BUTTON, POWER	
68	* A-1394-965-A	J BOARD COMPLETE	
69	* A-1299-092-A	A1 BOARD COMPLETE	
70	* A-1136-069-A	BC4 BOARD COMPLETE	
71	* A-1241-403-A	F2 BOARD MOUNT	
72	* 4-071-316-01	SUPPORTER, PWB	
73	* A-1343-791-A	DH BOARD MOUNTED (KV-E	S34M31)
	* A-1343-851-A	DH BOARD MOUNTED (KV-E	S34M61)
	* A*1343-850-A	DH BOARD MOUNTED (KV-ES	34M80/ES34M90)
74	1-790-082-11	CABLE RF	
75	1-543-827-31	CLAMP, SLEEVE FERRITE	
76	* A-1342-516-A	V BOARD MOUNT	
		(KV-ES34M31/ES34M61 ONLY)

7-3. PICTURE TUBE

- ●: 7-685-648-71 SCREW +BVTP 3 × 12
- ■: 7-685-663-71 SCREW +BVTP 4 × 16
- ▲: 7-685-661-14 SCREW +BVTP 4 × 12

NOTE: The Picture Tube for OCE model is up-side down, and the position for the anode cap and springs are changed accordingly.



SECTION 8



ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- \bullet Items marked " * " are not stocked since they $\quad \bullet \quad$ All resistors are in ohms are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise COILS
- F: nonflammable

CAPACITORS

• MF : μ F, PF : $\mu\mu$ F

 $\bullet \;\; MMH:mH,\, UH:\mu H$

RE	F. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
	*	* A-1299-157-A	A BOARD COMPI	LETE (KV-ES	34M61)		C1203	1-164-505-11	CERAMIC CHIP	2.2MF		16V
	3	* A-1299-159-A	A BOARD COMPI	LETE (KV-ES	34M31)		C1204	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
	*	* A-1299-161-A	A BOARD COMPI	LETE (KV-ES	34M80)		C1205	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
	3	* A-1299-109-A	A BOARD COMPI		,							
			******	******	*****		C1206	1-126-965-11	ELECT	22MF	20%	50V
							C1207	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V
	*	* 1-555-110-00	CABLE, PIN				C1208	1-126-023-11	ELECT	100MF	20%	16V
		4-382-854-11	SCREW (M3X10),	P, SW (+)			C1209	1-164-505-11	CERAMIC CHIP	2.2MF	100/	16V
							C1210	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
			<capacitor></capacitor>				C1211	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
							C1212	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
C0	04	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C1213	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C0	05	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C1214	1-126-055-11	ELECT	470MF	20%	50V
C0		1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V	C1215	1-126-055-11	ELECT	470MF	20%	50V
C0		1-126-933-11	ELECT	100MF	20%	16V						
C0	09	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C1216	1-126-943-11	ELECT	2200MF	20%	25V
							C1217	1-126-943-11	ELECT	2200MF	20%	25V
C0		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C1219	1-126-961-11	ELECT	2.2MF	20%	50V
C0		1-163-227-11	CERAMIC CHIP	10PF	0.5PF		C1220	1-126-961-11	ELECT	2.2MF	20%	50V
C0		1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C1221	1-126-933-11	ELECT	100MF	20%	16V
C0		1-126-967-11	ELECT	47MF	20%	50V						
C0	15	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C1222	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
							C1223	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
C0		1-102-852-91	CERAMIC CHIP	47PF	5%	50V	C1224	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
C0		1-102-525-11	CERAMIC CHIP	68PF	5%	50V	C1225	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
C0		1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C1241	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C0		1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V						
C02	20	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C1242	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
CO.	21	1 162 001 01	CED AMIC CHID	0.011.45	100/	5017	C1243	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C0:		1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C1244	1-110-617-51	ELECT	2200MF	20%	50V
C0:		1-163-227-11	CERAMIC CHIP	10PF	0.5PF		C1245	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C0:		1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	C1246	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C0:		1-126-960-11	ELECT CERAMIC CHIP	1MF 0.1MF	20% 10%	50V 16V	C1247	1 115 220 11	CED AMIC CHID	0.1MF	10%	50V
C0:	31	1-107-725-11	CERAMIC CHIP	U.IIVIF	10%	10 V	C1247 C1248	1-115-339-11 1-110-617-51	CERAMIC CHIP ELECT	2200MF	20%	50V 50V
C0:	32	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C1248	1-110-017-31	CERAMIC CHIP	0.001MF	10%	50V
C0:		1-105-021-91	CERAMIC CHIP	0.01MF	10%	50V	C1249	1-163-009-11	CERAMIC CHIP	0.001WIF	10%	50V
C0.		1-113-339-11	CERAMIC CHIP	220PF	5%	50V	C1251 C1252	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C10		1-103-235-51	CERAMIC CHIP	0.1MF	10%	16V	C1232	1-103-231-11	CERAINIC CIII	10011	370	30 v
C1		1-126-933-11	ELECT	100MF	20%	16V	C1253	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
CI	04	1 120 /33 11	LLLCI	1001111	2070	101	C1255	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C10	07	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	C1256	1-137-194-81	MYLAR	0.47MF	5%	50V
C1		1-126-933-11	ELECT	100MF	20%	16V	C1258	1-115-339-11	CERAMIC CHIP	0.47MF	10%	50V
C10		1-163-005-11			10%		C1259	1-115-339-11		0.1MF	10%	50V
C1		1-163-005-11	CERAMIC CHIP	470PF	10%	50V						
C1		1-163-005-11	CERAMIC CHIP	470PF	10%	50V	C1260	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
							C1262	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1	12	1-126-933-11	ELECT	100MF	20%	16V	C1263	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C1		1-126-967-11	ELECT	47MF	20%	50V	C1264	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1		1-126-967-11	ELECT	47MF	20%	50V	C1265	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C3		1-126-767-11	ELECT	1000MF	20%	16V						
C32		1-126-964-11	ELECT	10MF	20%	50V	C1267	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
							C1268	1-137-194-81	MYLAR	0.47MF	5%	50V
C12	201	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V	C1270	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C1:	202	1-107-725-11	CERAMIC CHIP	0.1MF	10%	16V						



										L	
REF. NO	. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION		REMA	RK
C1271	1-163-007-11	CERAMIC CHIP	680PF	10%	50V			<connector></connector>			
C1272	1-126-941-11	ELECT	470MF	20%	25V						
							1-560-218-00	PIN, CONNECTOR			
C1273	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V		1-695-299-11		OARD TO BOARD 50)P	
C1274	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V		1-695-915-11	TAB (CONTACT)			
C1275	1-163-007-11	CERAMIC CHIP	680PF	10%	50V	CN1118	1-793-493-11		BOARD TO BO	ARD	20P
C1276	1-163-007-11	CERAMIC CHIP	680PF	10%	50V			(KV-ES34M31/ES3	• /		
C1277	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V	CN1138*	1-564-507-11	PLUG, CONNECT	OR 4P		
										_	
C1279	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V		1-793-494-11		OARD TO BOARD 40)P	
C1281	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V		1-564-513-11	PLUG, CONNECT			
C1282	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V		1-900-903-64	CONNECTOR ASS)D	
C1283	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V		1-793-495-11		OARD TO BOARD 50)P	
C1284	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V	CN1190 *	* 1-564-510-11	PLUG, CONNECT	OR /P		
C1205	1 106 022 11	EL EOE	1003.45	200/	161	CN11102 S	k 1 564 512 11	DI LIC CONNECT	OD 10D		
C1285	1-126-933-11	ELECT	100MF	20%	16V		* 1-564-513-11	PLUG, CONNECT			
C1286	1-126-933-11	ELECT CERAMIC CHIR	100MF	20%	16V		1-564-506-11	PLUG, CONNECTOR			
C1287	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	CN1196*	1-508-797-00	PIN, CONNECTOR	K 4P		
C1288 C1289	1-163-251-11	CERAMIC CHIP	100PF 100PF	5%	50V 50V						
C1269	1-163-251-11	CERAMIC CHIP	100PF	5%	30 V			COMPOSITION (CIRCUIT BLOCK>		
C1290	1 162 251 11	CED AMIC CHID	100PF	50/	50V			COMPOSITION	CIRCUII BLOCK		
C1290 C1291	1-163-251-11 1-163-251-11	CERAMIC CHIP CERAMIC CHIP	100PF 100PF	5% 5%	50 V 50 V	CP1300	1-251-658-31	SPLITTER RF			
C1291 C1292	1-163-251-11	CERAMIC CHIP	100PF 100PF	5%	50V 50V	CP1500	1-231-036-31	SPLITTER KF			
C1292 C1297	1-103-231-11	MYLAR	1MF	5%	50 V						
C1297	1-136-177-00	MYLAR	1MF	5%	50 V			<diode></diode>			
C1290	1-130-177-00	WIILAK	11VII	370	30 V			(DIODE)			
C1301	1-126-933-11	ELECT	100MF	20%	16V	D001	8-719-073-01	DIODE MA111-(K	.8) 80		
C1301	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	D001	8-719-073-01	DIODE MA111-(K	*		
C2200	1-126-964-11	ELECT	10MF	20%	50V	D002	8-719-073-01	DIODE MA111-(K	*		
C2201	1-126-964-11	ELECT	10MF	20%	50V	D003	8-719-073-01	DIODE MA111-(K	*		
C2202	1-126-964-11	ELECT	10MF	20%	50V	D005	8-719-073-01	DIODE MA111-(K	*		
02202	1 120 70. 11	DDD01	101,11	2070	20.	2002	0 /15 0/5 01	21022 111111 (11			
C2203	1-126-963-11	ELECT	4.7MF	20%	50V	D006	8-719-073-01	DIODE MA111-(K	(8).S0		
C2204	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V	D007	8-719-158-18	DIODE RD5.6SB3	*		
C2205	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V	D013	8-719-158-18	DIODE RD5.6SB3			
C2206	1-126-964-11	ELECT	10MF	20%	50V	D014	8-719-073-01	DIODE MA111-(K			
C2207	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	D100	8-719-073-01	DIODE MA111-(K	*		
								•	,		
C2208	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	D300	8-719-073-01	DIODE MA111-(K	(8).S0		
C2209	1-126-968-11	ELECT	100MF	20%	50V	D301	8-719-073-01	DIODE MA111-(K	(8).S0		
C2600	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D302	8-719-073-01	DIODE MA111-(K	(8).S0		
C2601	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D317	8-719-073-01	DIODE MA111-(K	(8).S0		
C2602	1-126-933-11	ELECT	100MF	20%	16V	D1205	8-719-158-35	DIODE RD9.1SB			
C2603	1-126-933-11	ELECT	100MF	20%	16V	D1208	8-719-073-01	DIODE MA111-(K	(8).S0		
C2605	1-126-925-11	ELECT	470MF	20%	10V	D1209	8-719-073-01	DIODE MA111-(K	(8).S0		
C2606	1-164-344-11	CERAMIC CHIP	0.068MF	10%	25V	D2200	8-719-158-35	DIODE RD9.1SB			
C2608	1-126-916-11	ELECT	1000MF	20%	6.3V	D2201	8-719-158-35	DIODE RD9.1SB			
C2609	1-126-935-11	ELECT	470MF	20%	6.3V	D2600	8-719-500-70	DIODE D5S4M			
C2<10	1 164 004 46	CED AND COM	0.13.45	1001	251						
C2610	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V			PPDDIME SEA			
C2611	1-126-934-11	ELECT	220MF	20%	16V			<ferrite bead<="" td=""><td>></td><td></td><td></td></ferrite>	>		
C2612	1-104-665-11	ELECT	100MF	20%	25V	ED001	1 414 222 22	INDITIONAL CUTTO	OLILI		
C2613	1-104-665-11	ELECT	100MF	20%	25V	FB001	1-414-233-22	INDUCTOR CHIP			
C2614	1-126-925-11	ELECT	470MF	20%	10V	FB002	1-414-233-22	INDUCTOR CHIP			
C2220	1 107 725 11	CED AMIC CITE	0.1ME	100/	16V	FB003	1-414-233-22	INDUCTOR CHIP			
C3330	1-107-725-11 1-126-933-11	CERAMIC CHIP ELECT	0.1MF 100MF	10%	16V	FB004	1-414-233-22	INDUCTOR CHIP INDUCTOR CHIP			
C3331				20%	16V	FB005	1-414-233-22	INDUCTOR CHIP	JUII		
C3336 C3338	1-126-933-11 1-163-005-11	ELECT CERAMIC CHIP	100MF 470PF	20% 10%	16V 50V	FB006	1-414-233-22	INDUCTOR CHIP	OUTH		
C3350	1-163-005-11	CERAMIC CHIP	470PF 470PF	10%	50 V 50 V	FB007	1-414-233-22	INDUCTOR CHIP			
C3330	1-103-003-11	CLIVAIVIIC CHIP	+/UFI	1070	30 V	FB007 FB008	1-414-233-22	INDUCTOR CHIP			
C3351	1-163-005-11	CERAMIC CHIP	470PF	10%	50V	FB1205	1-414-233-22	FERRITE	1.1UH		
C3352	1-163-005-11	CERAMIC CHIP	470PF 470PF	10%	50V 50V	FB1203 FB1206	1-410-397-21	FERRITE	1.1UH 1.1UH		
C3353	1-103-003-11	ELECT	100MF	20%	16V	1 1 1 2 0 0	1 710-371-21	LIMILE	1.1011		
C3354	1-126-955-11	ELECT	47MF	20%	50V	FB1207	1-410-397-21	FERRITE	1.1UH		
C3355	1-126-967-11	ELECT	47MF	20%	50V	FB1207	1-410-397-21	FERRITE	1.1UH		
23333	1 120 707 11		.,./11	_0/0		FB1300	1-216-295-91	SHORT	0		
						101000	1 210 2/0 /1	2110111	-		



REF. NO	. PART NO.	DESCRIPTION		REMARK	REF. NO	. PART NO.	DESCRIPTION			REMARK
		<filter></filter>					<ic link=""></ic>			
FL001	1-236-071-11	ENCAPSULATED	COMPONENT		PS1201	1-532-686-21	LINK, IC 2.7A/1			
					PS1202	1-532-686-21	LINK, IC 2.7A/1	50V		
					PS1203	1-532-686-21	LINK, IC 2.7A/1	50V		
		<ic></ic>			PS1204	1-532-686-21	LINK, IC 2.7A/1	50V		
IC001	8-752-910-26	IC CXP750096-01								
IC002	8-759-042-02	IC S-80743AL-A7					<transistor< td=""><td>></td><td></td><td></td></transistor<>	>		
IC003	8-759-527-76	IC M24C08-MN67								
IC004	8-759-527-75	IC M24C04-MN67			Q001	8-729-026-49	TRANSISTOR 2		7146-R	
IC100	8-759-042-02	IC S-80743AL-A7	-S		Q002	8-729-230-49	TRANSISTOR 2			
					Q003	8-729-230-49	TRANSISTOR 2			
IC1201	8-759-273-12	IC TDA7315D013	ľR		Q004	8-729-230-49	TRANSISTOR 2			
IC1203	8-759-553-45	IC TDA7481			Q005	8-729-026-49	TRANSISTOR 2	SA1037AK-1	146-R	
IC1204	8-759-553-45	IC TDA7481								
IC1205	8-759-100-96	IC UPC4558G2			Q006	8-729-026-49	TRANSISTOR 2			
IC1205	8-759-100-96	IC UPC4558G2			Q007	8-729-026-49	TRANSISTOR 2			
					Q101	8-729-026-49	TRANSISTOR 2			
IC2200	8-759-745-64	IC NJM4560M			Q301	8-729-026-49	TRANSISTOR 2		146-R	
IC2600	8-759-394-36	IC BA09T			Q313	8-729-230-49	TRANSISTOR 2	SC2712-YG		
IC2601	8-759-450-47	IC BA05T								
IC2603	8-759-640-19	IC PQ1CG2032FZ			Q1205	1-801-806-11	TRANSISTOR I		T146	
IC2604	8-759-644-37	IC PQ5EV3			Q1206	8-729-230-49	TRANSISTOR 2			
					Q1207	8-729-230-49	TRANSISTOR 2			
					Q1209	8-729-230-49	TRANSISTOR 2			
		<chip conduc<="" td=""><td>ΓOR></td><td></td><td>Q1210</td><td>8-729-230-49</td><td>TRANSISTOR 2</td><td>SC2712-YG</td><td></td><td></td></chip>	ΓOR>		Q1210	8-729-230-49	TRANSISTOR 2	SC2712-YG		
TD 001	1 21 6 205 01	GHODE	0		01011	0.720.026.40	TD A MOTOTOD O	0.4.1005.437.5	71.46 D	
JR001	1-216-295-91	SHORT	0		Q1211	8-729-026-49	TRANSISTOR 2			
JR002	1-216-295-91	SHORT	0		Q2200	1-801-806-11	TRANSISTOR I			
JR102	1-216-295-91	SHORT	0		Q2201	1-801-806-11	TRANSISTOR I			
JR107	1-216-295-91	SHORT	0	1.	Q3300	8-729-026-49	TRANSISTOR 2	SA103/AK-1	146-K	
JR109	1-216-295-91	SHORT	0 (KV-ES34M80 o	nly)						
ID 1201	1 216 205 01	спорт	0				>DECICTOD>			
JR1301 JR2601	1-216-295-91 1-216-295-91	SHORT SHORT	0				<resistor></resistor>			
JK2001	1-210-293-91	SHOKI	U		D001	1 216 022 00	DEC CHID	220	50/	1/10337
					R001 R002	1-216-033-00	RES,CHIP	220 220	5% 5%	1/10W
		<coil></coil>				1-216-033-00	RES,CHIP			1/10W
		<coil></coil>			R003 R004	1-216-049-91	RES,CHIP	1k 100	5% 5%	1/10W
L001	1 414 956 11	INDUCTOR	10UH		R004 R005	1-216-025-91 1-216-025-91	RES,CHIP RES,CHIP	100	5%	1/10W 1/10W
L001 L002	1-414-856-11 1-414-856-11	INDUCTOR	10UH		K003	1-210-023-91	кез,спіг	100	370	1/10 W
L002	1-414-751-11	INDUCTOR	1UH		R006	1-216-033-00	RES,CHIP	2.2K	5%	1/10W
L005	1-414-751-11	INDUCTOR	10UH		R008	1-216-055-00	RES,CHIP	4.7K	5%	1/10W 1/10W
L101		INDUCTOR					RES,CHIP			1/10W 1/10W
L101	1-414-856-11	INDUCTOR	10UH		R010	1-216-057-91 1-216-065-91	RES,CHIP	4.7K	5%	1/10W 1/10W
L102	1-414-856-11	INDUCTOR	10UH		R011 R012	1-216-003-91	RES,CHIP	4.7K 2.2K	5% 5%	1/10W 1/10W
L102 L103	1-414-856-11	INDUCTOR	10UH 10UH		K012	1-210-037-71	KLS,CHIF	2.2 N	370	1/10 YV
L103	1-414-856-11	INDUCTOR	10UH		R013	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
L104	1-414-856-11	INDUCTOR	10UH		R013	1-216-005-91	RES,CHIP	100	5%	1/10W 1/10W
L1201	1-414-187-11	INDUCTOR	47UH		R014 R015	1-216-025-91	RES,CHIP	100	5%	1/10W
L1201	1-414-107-11	INDUCTOR	4/UH		R015	1-216-023-91	RES,CHIP	2.2K		
L1202	1-416-857-11	INDUCTOR	65UH		R017	1-216-037-00	RES,CHIP	2.2 K 1K	5% 5%	1/10W 1/10W
L1202 L1203	1-416-857-11	INDUCTOR	65UH		KU17	1-210-049-91	кез,спіг	1 K	370	1/10 W
L1203 L1204	1-416-966-11	INDUCTOR	0UH		D019	1-216-045-00	DEC CHID	680	5%	1/10W
L1204 L1205	1-416-966-11	INDUCTOR	OUH OUH		R018 R019	1-216-045-00	RES,CHIP RES,CHIP	080 1K	5% 5%	1/10W 1/10W
							,			
L1300	1-414-856-11	INDUCTOR	10UH		R020	1-216-057-00	RES,CHIP SHORT	2.2K	5%	1/10W
1 2600	1 410 240 11	INDLICTOR	15UH		R021 R022	1-216-295-91		0	50/	1/10W
L2600	1-419-249-11	INDUCTOR			NU22	1-216-033-00	RES,CHIP	220	5%	1/10 W
L2601 L2602	1-419-249-11	INDUCTOR	15UH 10UH		D022	1 216 025 01	DEC CHID	100	50/	1/10W/
L2602 L2603	1-412-525-31	INDUCTOR	10UH 10UH		R023	1-216-025-91	RES,CHIP RES,CHIP	100 3.9K	5% 5%	1/10W 1/10W
	1-412-525-31	INDUCTOR			R024	1-216-063-91			5% 5%	
L3302	1-414-856-11	INDUCTOR	10UH		R025 R026	1-216-033-00 1-216-033-00	RES,CHIP RES,CHIP	220	5% 5%	1/10W 1/10W
L3303	1-414-856-11	INDUCTOR	10UH		R026 R027	1-216-033-00	RES,CHIP	220 1K	5% 5%	1/10W 1/10W
L3303 L3304	1-414-856-11	INDUCTOR	10UH 10UH		KU2/	1-410-0 4 7-71	льэ,спіг	117	J%	1/1U VV
L3304 L3305	1-414-856-11	INDUCTOR	10UH 10UH							
L3305 L3306	1-414-856-11	INDUCTOR	10UH							
L3300	1-414-030-11	TADOCTOR	10011							



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R028	1-216-049-91	RES,CHIP	1K	5%	1/10W	R089	1-216-049-91	RES,CHIP	1K	5%	1/10W
R029	1-216-049-91	RES,CHIP	1K	5%	1/10W	R090	1-216-025-91	RES,CHIP	100	5%	1/10W
R031	1-216-033-00	RES,CHIP	220	5%	1/10W	R091	1-216-025-91	RES,CHIP	100	5%	1/10W
R032	1-216-049-91	RES,CHIP	1K	5%	1/10W			,-			
R033	1-216-033-00	RES,CHIP	220	5%	1/10W	R092	1-216-033-00	RES,CHIP	220	5%	1/10W
11000	1 210 000 00	100,0111		2,0	1,1011	R093	1-216-073-00	RES,CHIP	10K	5%	1/10W
R035	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R094	1-216-073-00	RES,CHIP	10K	5%	1/10W
R036	1-216-033-00	RES,CHIP	220	5%	1/10W	R095	1-216-049-91	RES,CHIP	1K	5%	1/10W
R037	1-216-033-00	RES,CHIP	220	5%	1/10W	R096	1-216-049-91	RES,CHIP	1K	5%	1/10W
R038	1-216-045-00	RES,CHIP	680	5%	1/10W	1000	1 210 0 10 01	res,erm	111	570	1/10//
R039	1-216-025-91	RES,CHIP	100	5%	1/10W	R097	1-216-025-91	RES,CHIP	100	5%	1/10W
K037	1-210-025-71	KL5,CIII	100	370	1/10**	R098	1-216-025-91	RES,CHIP	100	5%	1/10W
R040	1-216-033-00	RES,CHIP	220	5%	1/10W	R099	1-216-025-91	RES,CHIP	100	5%	1/10W
R041	1-216-035-00	RES,CHIP	100	5%	1/10W	R101	1-216-025-91	RES,CHIP	100	5%	1/10W
R042	1-216-025-91	SHORT	0	370	1/10 W	R102	1-216-025-91	RES,CHIP	100	5%	1/10W 1/10W
R042	1-216-293-91	RES,CHIP	100	50/	1/10W	K102	1-210-023-91	кез,спіг	100	370	1/10 W
		*		5%		D105	1 217 205 01	CHODT	0		
R044	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R105	1-216-295-91	SHORT	0	50/	1 /10337
D045		DEG CIVID	4.577	= 0.	4 /4 0777	R109	1-216-041-00	RES,CHIP	470	5%	1/10W
R045	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R110	1-216-043-91	RES,CHIP	560	5%	1/10W
R046	1-216-033-00	RES,CHIP	220	5%	1/10W	R111	1-216-025-91	RES,CHIP	100	5%	1/10W
R047	1-216-033-00	RES,CHIP	220	5%	1/10W	R112	1-216-025-91	RES,CHIP	100	5%	1/10W
R048	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R051	1-216-049-91	RES,CHIP	1K	5%	1/10W	R116	1-216-025-91	RES,CHIP	100	5%	1/10W
						R117	1-216-025-91	RES,CHIP	100	5%	1/10W
R052	1-216-049-91	RES,CHIP	1K	5%	1/10W	R118	1-216-025-91	RES,CHIP	100	5%	1/10W
R053	1-216-049-91	RES,CHIP	1K	5%	1/10W	R301	1-216-113-00	RES,CHIP	470K	5%	1/10W
R054	1-216-033-00	RES,CHIP	220	5%	1/10W	R302	1-216-089-91	RES,CHIP	47K	5%	1/10W
R055	1-216-295-91	SHORT	0								
R056	1-216-295-91	SHORT	0			R303	1-216-089-91	RES,CHIP	47K	5%	1/10W
						R1201	1-216-033-00	RES,CHIP	220	5%	1/10W
R057	1-216-295-91	SHORT	0			R1202	1-216-033-00	RES,CHIP	220	5%	1/10W
R058	1-216-295-91	SHORT	0			R1203	1-216-079-00	RES,CHIP	18K	5%	1/10W
R059	1-216-033-00	RES,CHIP	220	5%	1/10W	R1204	1-216-079-00	RES,CHIP	18K	5%	1/10W
R060	1-216-033-00	RES,CHIP	220	5%	1/10W			,-			
R061	1-216-025-91	RES,CHIP	100	5%	1/10W	R1205	1-216-089-91	RES,CHIP	47K	5%	1/10W
		,			-,	R1206	1-216-089-91	RES,CHIP	47K	5%	1/10W
R062	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1236	1-208-808-11	METAL CHIP	12K	0.50%	
R063	1-216-025-91	RES,CHIP	100	5%	1/10W	R1237	1-216-085-00	RES.CHIP	33K	5%	1/10W
R064	1-216-025-91	RES.CHIP	100	5%	1/10W	R1238	1-216-081-00	RES,CHIP	22K	5%	1/10W
R065	1-216-045-00	RES,CHIP	680	5%	1/10W	101230	1 210 001 00	res,erm	2211	570	1/10//
R066	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1239	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
11000	1 210 01,771	nas,em		270	1,1011	R1240	1-216-085-00	RES,CHIP	33K	5%	1/10W
R067	1-216-073-00	RES.CHIP	10K	5%	1/10W	R1241	1-216-073-00	RES.CHIP	10K	5%	1/10W
R068	1-216-073-00	RES,CHIP	10K	5%	1/10W	R1241	1-216-073-00	RES,CHIP	10K	5%	1/10W
	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R1244	1-216-073-00	RES,CHIP	10K	5%	1/10W
R070	1-216-033-00	RES,CHIP	220	5%	1/10W	K12++	1-210-073-00	KL5,CIII	1010	370	1/10 **
R071	1-216-035-00	RES,CHIP	100	5%	1/10W 1/10W	R1246	1-208-808-11	METAL CHIP	12K	0.50%	1/10W
10/1	1 210-025-71	кьэ,сти	100	370	1/10**	R1240 R1247	1-216-085-00	RES,CHIP	33K	5%	1/10W 1/10W
R072	1-216-025-91	RES,CHIP	100	5%	1/10W	R1247	1-216-075-00	RES,CHIP	12K	5%	1/10W
R072	1-216-025-91	RES,CHIP	1.8K	5%	1/10W 1/10W	R1249	1-216-075-00	RES,CHIP	12K 100	5%	1/10W 1/10W
								· · · · · · · · · · · · · · · · · · ·			
R074 R075	1-216-055-00 1-216-055-00	RES,CHIP RES,CHIP	1.8K 1.8K	5%	1/10W	R1250	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
				5%	1/10W	D1252	1 216 072 00	DEC CHID	10V	50/	1/10337
R076	1-216-025-91	RES,CHIP	100	5%	1/10W	R1252	1-216-073-00	RES,CHIP	10K	5%	1/10W
D.055	1 216 025 01	DEC CIUD	100	50/	1/10777	R1253	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R077	1-216-025-91	RES,CHIP	100	5%	1/10W	R1254	1-216-075-00	RES,CHIP	12K	5%	1/10W
R078	1-216-025-91	RES,CHIP	100	5%	1/10W	R1255	1-216-075-00	RES,CHIP	12K	5%	1/10W
R079	1-216-025-91	RES,CHIP	100	5%	1/10W	R1256	1-216-073-00	RES,CHIP	10K	5%	1/10W
R080	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	D1055	1.016.007.06	DEG CIUS	100	50/	1 /1 011
R081	1-216-025-91	RES,CHIP	100	5%	1/10W	R1257	1-216-025-91	RES,CHIP	100	5%	1/10W
						R1258	1-216-075-00	RES,CHIP	12K	5%	1/10W
	1-216-041-00	RES,CHIP	470	5%	1/10W	R1259	1-216-073-00	RES,CHIP	10K	5%	1/10W
R083	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1260	1-216-029-00	RES,CHIP	150	5%	1/10W
R084	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1261	1-216-029-00	RES,CHIP	150	5%	1/10W
R085	1-208-798-11	METAL CHIP	4.7K	0.50%	1/10W						
R086	1-216-073-00	RES,CHIP	10K	5%	1/10W	R1264	1-216-041-00	RES,CHIP	470	5%	1/10W
						R1265	1-216-041-00	RES,CHIP	470	5%	1/10W
R087	1-216-033-00	RES,CHIP	220	5%	1/10W	R1266	1-216-049-91	RES,CHIP	1K	5%	1/10W
R088	1-216-049-91	RES,CHIP	1K	5%	1/10W						
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KV-ES34M31/ES34M61/ES34M80/ES34M90 RM-916



REF. NO	. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R1267	1-216-077-91	RES,CHIP	15K	5%	1/10W			<crystal></crystal>			
R1269	1-216-025-91	RES,CHIP	100	5%	1/10W	X001	1-567-928-11	VIBLATOR, CERA	MIC		
R1270	1-216-089-91	RES,CHIP	47K	5%	1/10W	A001	1-307-920-11	VIBLATOR, CERA	AIVIIC		
R1271	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R1272	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R1273	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	******	*******	******	******	*****	******
R1275	1-216-081-00	RES,CHIP	22K	5%	1/10W						
						*	A-1299-092-A	A1 BOARD COM			
R1276	1-216-081-00	RES,CHIP	22K	5%	1/10W			******	*****		
R1277	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R1278	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V			<capacitor></capacitor>			
R1279	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V						
R1280	1-216-029-00	RES,CHIP	150	5%	1/10W	C8103	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C8104	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R1281	1-216-029-00	RES,CHIP	150	5%	1/10W	C8105	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R1283	1-216-295-91	SHORT	0			C8106	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R1284	1-216-295-91	SHORT	0			C8107	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R1286	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R2200	1-216-021-00	RES,CHIP	68	5%	1/10W	C8108	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
						C8109	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R2201	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	C8110	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R2202	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	C8111	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R2203	1-216-021-00	RES,CHIP	68	5%	1/10W	C8112	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R2204	1-216-073-00	RES.CHIP	10K	5%	1/10W						
R2205	1-216-097-91	RES,CHIP	100K	5%	1/10W	C8116	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
		,				C8117	1-126-382-11	ELECT	100MF	20%	16V
R2206	1-216-117-00	RES,CHIP	680K	5%	1/10W	C8118	1-127-532-11	ELECT	47MF	20%	6.3V
R2207	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	C8119	1-126-795-11	ELECT	10MF	20%	25V
R2208	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	C8120	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25 V
R2209	1-216-117-00	RES,CHIP	680K	5%	1/10W	C0120	1 101 001 11	CLIU IIIIC CIIII	0.11.11	1070	25 (
R2210	1-216-089-91	RES,CHIP	47K	5%	1/10W	C8121	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
RZZIO	1 210 007 71	KL5,CIII	7/IX	370	1/10**	C8122	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
R2211	1-216-097-91	RES,CHIP	100K	5%	1/10W	C8123	1-127-532-11	ELECT	47MF	20%	6.3V
R2211	1-216-073-00	RES,CHIP	10K	5%	1/10W	C8123	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R2212	1-216-075-00	RES,CHIP	47K	5%	1/10W	C8124	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R2213	1-216-089-91	RES,CHIP	47K 47K	5%	1/10W	C6123	1-103-021-91	CERAINIC CIII	0.01WII	1070	30 V
R2214 R2215		*		5%		C8126	1-163-021-91	CED AMIC CUID	0.01MF	10%	50V
K2213	1-216-089-91	RES,CHIP	47K	3%	1/10W	1		CERAMIC CHIP	22PF		50V 50V
R2600	1 216 065 01	DEC CHID	4 7V	50/	1/1037	C8127	1-163-235-11	CERAMIC CHIP	22PF	5%	
	1-216-065-91	RES,CHIP METAL CHIP	4.7K	5%	1/10W	C8128	1-163-235-11			5%	50V
R2601	1-216-655-11		1.5K		1/10W 1/10W	C8129	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R2602	1-208-781-11 1-208-790-11	METAL CHIP	910			C8130	1-126-382-11	ELECT	100MF	20%	16V
R2603		METAL CHIP	2.2K		1/10W	C0121	1 126 202 11	ELECT	100MF	200/	100
R2604	1-208-790-11	METAL CHIP	2.2K	0.30%	1/10W	C8131	1-126-382-11	ELECT		20%	16V
D2200	1 21 6 042 01	DEC CHID	5.60	50/	1/10337	C8132	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V
R3300	1-216-043-91	RES,CHIP	560	5%	1/10W	C8133	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R3320	1-216-073-00	RES,CHIP	10K	5%	1/10W	C8134	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R3323	1-216-025-91	RES,CHIP	100	5%	1/10W	C8135	1-126-382-11	ELECT	100MF	20%	16V
R3334	1-216-025-91	RES,CHIP	100	5%	1/10W	G0126	1 162 251 11	CED 11 HC CHID	100DE	50/	5017
R3362	1-216-025-91	RES,CHIP	100	5%	1/10W	C8136	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C8137	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R3374	1-216-295-91	SHORT	0			C8138	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C8139	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C8140	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		<variable resi<="" td=""><td>ISTOR></td><td></td><td></td><td>C0141</td><td>1 162 251 11</td><td>CED AMIC CHID</td><td>100DE</td><td>50/</td><td>5011</td></variable>	ISTOR>			C0141	1 162 251 11	CED AMIC CHID	100DE	5 0/	5011
D110000	1 220 505 11	DEG 151 G155				C8141	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
RV3300	1-238-597-11	RES, ADJ, CARBO	ON IK			C8142	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
						C8143	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C8144	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		<tuner></tuner>				C8145	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
TDT 74.04	0.500.452.22	## N IED	WG 442 GT-	D00 13 55	11.0.561	GO111	1 105 022 1	CED LLCC CITE	0.450.55	1001	1677
TU101	8-598-452-20	TUNER, FSS BTF-				C8146	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
TU101	8-598-450-10	TUNER, FSS BTF-			*	C8147	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
TU101	8-598-452-30	TUNER, FSS BTF-		ES34M90	0)	C8150	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
TU3301	8-598-508-10	TUNER, FSS BTF-	-LG436			C8155	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
						C8161	1-126-382-11	ELECT	100MF	20%	16V



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C8162	1-164-505-11	CERAMIC CHIP	2.2MF		16V			<filter></filter>			
C8163	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V						
C8166	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	FL8100	1-234-177-21	FILTER, CHIP EM			
C8167	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	FL8101	1-234-177-21	FILTER, CHIP EM			
C8168	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	FL8102	1-234-177-21	FILTER, CHIP EM	<u>l</u>		
C8197	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V						
C8198	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V			<ic></ic>			
C8199	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V						
C8200	1-216-295-91	SHORT	0			IC8102	8-759-576-72	IC LF50CDT-TR			
C8201	1-216-295-91	SHORT	0			IC8103	8-759-579-68	IC AK4524			
G0000	1 107 002 11	CED AMIC CHID	0.473.45	100/	1617	IC8104	8-759-542-87	IC S-80827ANUP-I	EDQ-T2		
C8202 C8203	1-107-823-11 1-163-021-91	CERAMIC CHIP	0.47MF	10%	16V 50V	IC8105	8-759-651-20 8-759-242-70	IC TC9446F-002 IC TC7WU04F			
C8203 C8204	1-103-021-91	CERAMIC CHIP CERAMIC CHIP	0.01MF 0.47MF	10% 10%	16V	IC8106	8-739-242-70	IC IC/WU04F			
C8205	1-163-253-11	CERAMIC CHIP	120PF	5%	50V	IC8107	8-759-459-69	IC S-80743AN-D7			
C8206	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	100107	0 137 437 07	IC 5 007+37 II V D7			
C8207	1-163-251-11	CERAMIC CHIP	100PF	5%	50V			<chip conduct<="" td=""><td>OR></td><td></td><td></td></chip>	OR>		
C8208	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
C8209	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	JR8102	1-216-295-91	SHORT	0		
C8210	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	JR8103	1-216-295-91	SHORT	0		
C8211	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V						
C8212	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V			<coil></coil>			
C8213	1-125-838-91	CERAMIC CHIP	2.2MF	10%	6.3V						
C8218	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	L8100	1-412-026-11	INDUCTOR CHIP	1UH		
						L8101	1-412-026-11	INDUCTOR CHIP	1UH		
						L8102	1-412-026-11	INDUCTOR CHIP			
		<connector></connector>				L8103	1-412-026-11	INDUCTOR CHIP			
CN19100	1-793-867-11	PIN, CONNECTOR	D (DC DOD AT) 10D		L8104	1-412-026-11	INDUCTOR CHIP	IUH		
	1-793-867-11	PIN, CONNECTOR	*	′		L8105	1-412-026-11	INDUCTOR CHIP	1UH		
CINOIOI	1 775 007 11	Thi, contide for	K (I C DOIGH) 101		L0103	1 412 020 11	INDUCTOR CITI	1011		
		<ferrite bead<="" td=""><td>></td><td></td><td></td><td></td><td></td><td><resistor></resistor></td><td></td><td></td><td></td></ferrite>	>					<resistor></resistor>			
FB8100	1-216-295-91	SHORT	0			R8101	1-216-295-91	SHORT	0		
FB8101	1-216-295-91	SHORT	0			R8102	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
FB8102	1-216-295-91	SHORT	0			R8103	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
FB8103	1-216-295-91	SHORT	0			R8106	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
FB8104	1-414-598-11	INDUCTOR CHIP	0UH			R8107	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
FB8105	1-216-295-91	SHORT	0			R8120	1-216-049-91	RES,CHIP	1K	5%	1/10W
	1-414-598-11	INDUCTOR CHIP				R8121	1-216-025-91	RES,CHIP	100	5%	1/10W
FB8108	1-414-598-11	INDUCTOR CHIP				R8122	1-216-025-91	RES,CHIP	100	5%	1/10W
FB8109	1-414-598-11	INDUCTOR CHIP	0UH			R8123	1-216-009-91	RES,CHIP	22	5%	1/10W
FB8110	1-414-598-11	INDUCTOR CHIP	0UH			R8124	1-216-009-91	RES,CHIP	22	5%	1/10W
FB8111	1-414-598-11	INDUCTOR CHIP	ULIH			R8125	1-216-009-91	RES,CHIP	22	5%	1/10W
FB8112	1-414-598-11	INDUCTOR CHIP				R8125	1-216-009-91	RES,CHIP	22	5% 5%	1/10W 1/10W
FB8113	1-414-598-11	INDUCTOR CHIP				R8127	1-216-005-91	RES,CHIP	100	5%	1/10W 1/10W
FB8114	1-414-598-11	INDUCTOR CHIP				R8128	1-216-025-91	RES,CHIP	100	5%	1/10W
FB8115	1-414-598-11	INDUCTOR CHIP				R8129	1-216-009-91	RES,CHIP	22	5%	1/10W
FB8116	1-414-598-11	INDUCTOR CHIP				R8131	1-216-295-91	SHORT	0	- 0.	4 /4 0 7 7 7
FB8117	1-414-598-11	INDUCTOR CHIP				R8133	1-216-129-00	RES,CHIP	2.2M	5%	1/10W
FB8118 FB8119	1-414-598-11 1-414-598-11	INDUCTOR CHIP INDUCTOR CHIP				R8134 R8135	1-216-295-91 1-216-295-91	SHORT SHORT	0		
FB8120	1-414-598-11	INDUCTOR CHIP				R8137	1-216-295-91	SHORT	0		
120120	1 111 370 11		5011			10131	1 210 273 71	2110111	~		
FB8121	1-414-598-11	INDUCTOR CHIP	0UH			R8138	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R8139	1-216-037-00	RES,CHIP	330	5%	1/10W
						R8140	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R8141	1-216-295-91	SHORT	0		
						R8143	1-216-295-91	SHORT	0		

KV-ES34M31/ES34M61/ES34M80/ES34M90 RM-916



REF. NO	D. PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R8144	1-216-025-91	RES,CHIP	100	5%	1/10W	C331	1-163-038-91	CERAMIC CHIP	0.1MF		25V
		*								1.00/	
R8145	1-216-033-00	RES,CHIP	220	5%	1/10W	C332	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8146	1-216-033-00	RES,CHIP	220	5%	1/10W	C333	1-216-295-91	SHORT	0		
R8147	1-216-295-91	SHORT	0			C337	1-163-038-91	CERAMIC CHIP	0.1MF		25V
R8148	1-216-295-91	SHORT	0			C338	1-163-038-91	CERAMIC CHIP	0.1MF		25V
R8149	1-216-037-00	RES,CHIP	330	5%	1/10W	C339	1-163-038-91	CERAMIC CHIP	0.1MF		25V
R8155	1-216-295-91	SHORT	0			C340	1-163-038-91	CERAMIC CHIP	0.1MF		25V
R8157	1-216-037-00	RES,CHIP	330	5%	1/10W	C341	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8158	1-216-037-00	RES,CHIP	330	5%	1/10W	C346	1-163-038-91	CERAMIC CHIP	0.1MF		25V
R8161	1-216-025-91	RES,CHIP	100	5%	1/10W	C347	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8168	1-216-025-91	RES,CHIP	100	5%	1/10W	C349	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8169	1-216-097-91	RES,CHIP	100K	5%	1/10W	C350	1-126-396-11	ELECT CHIP	47MF	20%	16V
R8170	1-216-121-91	RES,CHIP	1M	5%	1/10W	C353	1-126-204-11	ELECT CHIP	47MF	20%	16V
R8171	1-216-025-91	RES,CHIP	100	5%	1/10W	C354	1-117-136-11	ELECT CHIP	10MF	20%	6.3V
R8172	1-216-025-91	RES,CHIP	100	5%	1/10W	C355	1-117-136-11	ELECT CHIP	10MF	20%	6.3V
K0172	1-210-025-91	KE3,CIII	100	370	1/10 VV	C333	1-117-130-11	ELECT CIIII	TOWIT	2070	0.5 v
R8173	1-216-025-91	RES,CHIP	100	5%	1/10W	C361	1-124-779-00	ELECT CHIP	10MF	20%	16V
R8200	1-216-073-00	RES,CHIP	10K	5%	1/10W	C362	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8201	1-216-025-91	RES,CHIP	100	5%	1/10W	C363	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
R8202	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	C501	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8203	1-208-782-11	METAL CHIP	1K	0.50%	1/10W	C502	1-124-779-00	ELECT CHIP	10MF	20%	16V
R8204	1-216-073-00	RES,CHIP	10K	5%	1/10W	C503	1-124-779-00	ELECT CHIP	10MF	20%	16V
R8205	1-208-782-11	METAL CHIP	1K		1/10W	C505	1-124-779-00	ELECT CHIP	10MF	20%	16V
R8206	1-216-049-91	RES,CHIP	1K	5%	1/10W	C507	1-124-779-00	ELECT CHIP	10MF	20%	16V
R8207	1-216-091-00	RES,CHIP	56K	5%	1/10W	C509	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C510	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
		<crystal></crystal>				C511	1-163-038-91	CERAMIC CHIP	0.1MF		25V
						C512	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
X8102	1-781-041-11	VIBRATOR, CRYS	STAL			C514	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
		, , , , , , , , , , , , , , , , , , , ,				C515	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C516	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
*****	******	*******	******	******	******	C517	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C517	1-105-021-91	ELECT CHIP	47MF	20%	16V
	* A 1126 054 A	B3 BOARD COMI	OL ETE			C518	1-163-038-91	CERAMIC CHIP	0.1MF	2070	25V
	A-1130-034-A	**********				C520	1-163-038-91	CERAMIC CHIP	0.1MF		25 V 25 V
						C520 C521	1-163-036-91	CERAMIC CHIP	0.1MF 0.01MF	10%	50V
		<capacitor></capacitor>				C321	1-105-021-91	CERAMIC CHIP	U.UTIVII	1070	30 V
						C522	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C302	1-117-136-11	ELECT CHIP	10MF	20%	6.3V	C523	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C305	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C524	1-124-779-00	ELECT CHIP	10MF	20%	16V
C306	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C525	1-126-394-11	ELECT CHIP	10MF	20%	16V
C309	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C526	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C310	1-163-038-91	CERAMIC CHIP	0.1MF		25V						
						C527	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C312	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V	C528	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C313	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C530	1-216-295-91	SHORT	0		
C314	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C532	1-216-295-91	SHORT	0		
C315	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C534	1-216-295-91	SHORT	0		
C316	1-163-038-91	CERAMIC CHIP	0.1MF		25V						
						C535	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C317	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C536	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C318	1-124-779-00	ELECT CHIP	10MF	20%	16V	C537	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C319	1-126-394-11	ELECT CHIP	10MF	20%	16V	C538	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C320	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C539	1-126-204-11	ELECT CHIP	47MF	20%	16V
C321	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V						
						C540	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C323	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C542	1-126-204-11	ELECT CHIP	47MF	20%	16V
C324	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C543	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C325	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C545	1-126-396-11	ELECT CHIP	47MF	20%	16V
C327	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C546	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C330	1-163-038-91	CERAMIC CHIP	0.1MF		25V						
						C548	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C549	1-126-204-11	ELECT CHIP	47MF	20%	16V
						l					



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C550	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C808	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C551	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C809	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C554	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C810	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C811	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C555	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C812	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C556	1-126-392-11	ELECT CHIP	100MF	20%	6.3V				010-21-22		
C557	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C813	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C559	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C814	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C560	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C815	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
			010			C816	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C601	1-126-394-11	ELECT CHIP	10MF	20%	16V	C817	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C602	1-126-394-11	ELECT CHIP	10MF	20%	16V	0017	1 100 227 11	ozna mno omi		270	501
C603	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C818	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C604	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C819	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C605	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C820	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C821	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C606	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C822	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C607	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V				010-21-22		
C608	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C823	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C609	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C824	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C610	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C825	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
0010	1 100 021 71	oznamne omi	0.011.11	1070	20.	C826	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C611	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C827	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C612	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	0027	1 103 021 71	CLIU IIVIIC CIIII	0.011111	1070	301
C613	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C829	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C614	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C834	1-163-038-91	CERAMIC CHIP	0.1MF	1070	25V
C615	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C835	1-163-038-91	CERAMIC CHIP	0.1MF		25 V
0015	1 103 021 71	CERTIFIC CITI	0.011111	1070	30 1	C837	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C616	1-126-396-11	ELECT CHIP	47MF	20%	16V	C839	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C617	1-163-038-91	CERAMIC CHIP	0.1MF	2070	25V	0037	1 103 021 71	CLIU IIVIIC CIIII	0.011111	1070	301
C618	1-163-038-91	CERAMIC CHIP	0.1MF		25 V	C840	1-126-206-11	ELECT CHIP	100MF	20%	6.3V
C619	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C841	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C620	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C842	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C020	1 103 021 71	CLICITIVIC CITI	0.011411	1070	30 1	C843	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C621	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C844	1-163-021-91	CERAMIC CHIP	0.01MF	1070	25V
C622	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C044	1-103-036-71	CERAINIC CIII	0.11411		23 🗸
C623	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C848	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C624	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C849	1-163-021-91	CERAMIC CHIP	0.0047MI 0.01MF	10%	50V
C625	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C850	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C023	1-103-021-91	CERAWIC CITI	0.011111	1070	30 v	C851	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C626	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C852	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C627	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C632	1-103-021-71	CERAINIC CIII	0.011111	1070	30 v
C628	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C853	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C629	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C854	1-163-038-91	CERAMIC CHIP	0.0035WII 0.1MF	1070	25V
C630	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C901	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C030	1-103-021-91	CERAWIC CITI	0.011111	1070	30 v	C902	1-163-038-91	CERAMIC CHIP	0.1MF		25 V 25 V
C631	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C903	1-163-030-91	CERAMIC CHIP	0.11MF	10%	50V
C632	1-126-206-11	ELECT CHIP	100MF	20%	6.3V	C)03	1-103-021-71	CLICAIVIIC CIIII	0.011111	1070	30 v
C633	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C904	1-124-779-00	ELECT CHIP	10MF	20%	16V
C634	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C904	1-124-779-00	CERAMIC CHIP	1MF	10%	10V 10V
C635	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C906	1-103-762-11	ELECT CHIP	10MF	20%	16V
C033	1-103-021-91	CERAWIC CITI	0.011111	1070	30 v	C907	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C636	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C907	1-163-021-91	CERAMIC CHIP	0.01MF	1070	50V
	1-163-021-91		0.01MF	10%	50 V	C908	1-103-031-11	CERAMIC CHIP	U.UTMI		30 V
C637 C638	1-163-021-91	CERAMIC CHIP CERAMIC CHIP	0.01MF	10%	50 V 50 V	C909	1-126-396-11	ELECT CHIP	47MF	20%	16V
C639	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50 V	C909	1-120-390-11	CERAMIC CHIP	0.001MF	10%	50V
C640	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C910	1-163-031-11	CERAMIC CHIP	0.001MF	1070	50V
C040	1-103-021-91	CERAMIC CHIP	0.01MI	1070	30 V	C913	1-103-031-11	ELECT CHIP		20%	16V
C642	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C914 C950	1-120-394-11	CERAMIC CHIP	10MF 0.01MF	20% 10%	50V
	1-163-021-91			10%	50V 50V	C930	1-103-041-91	CENAIVIIC CHIP	O.UIIVIF	1070	JU Y
C643 C644		CERAMIC CHIP	0.01MF 4.7MF			C054	1 163 021 01	CED AMIC CUID	0.01ME	100/	50V
	1-126-398-11	ELECT CHIP		20%	35V 50V	C954	1-163-021-91	CERAMIC CHIP	0.01MF	10%	30 V
C645	1-163-021-91	CERAMIC CHIP	0.01MF	10%							
C801	1-124-779-00	ELECT CHIP	10MF	20%	16V						
C802	1 162 021 01	CED AMIC CITIE	0.01MF	10%	50V						
	1-163-021-91	CERAMIC CHIP									
C803	1-124-779-00	ELECT CHIP	10MF	20%	16V						
C804 C806	1-124-779-00	ELECT CHIP	10MF	20%	16V						
	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V						
C807	1-124-779-00	ELECT CHIP	10MF	20%	16V						



	<u> </u>						
REF. I	NO. PART NO.	DESCRIPTION	REMARK	REF. NO	PART NO.	DESCRIPTION	REMARK
		<connector></connector>				<ic></ic>	
CN50	2 1-695-302-11	CONNECTOR, BOAR	D TO BOARD 50P	IC302	8-752-388-98	IC CXD2303AQ	
				IC303	8-752-088-27	IC CXA3266Q-T6	
				IC309	8-759-640-16	IC TC7SET04F(TE85R)	
		<diode></diode>		IC311	8-759-708-05	IC NJM78L05A	
				IC501	8-759-447-90	IC TLC5733AIPM	
D301	8-719-041-97	DIODE MA113-(TX)		10001	0 707 117 70	TO TEOD TOO IM IN	
D302	8-719-041-97	DIODE MA113-(TX)		IC504	8-759-430-32	IC TLC2933IPWR	
D502	8-719-422-12	DIODE MA8039		IC505	8-759-640-16	IC TC7SET04F(TE85R)	
D601	8-719-073-01	DIODE MA111-(K8).S	10	IC505	8-759-640-16	IC TC7SET04F(TE85R)	
D001	0-719-073-01	DIODE MATIT-(Ko).S	00	IC601	8-752-398-47	IC CXD2090Q	
				IC601 IC602	8-759-567-37	IC MB81F161622B-80FN	
		EEDDITE DEAD		10002	0-139-301-31	IC MID81F101022B-80FN	
		<ferrite bead=""></ferrite>			. =		
ED 50:	1 414 012 11	EEDDITE OI	***		8-749-010-64	IC TLC2932IPW	
FB501			JH	IC604	8-752-072-94	IC CXA1875AM-T4	
FB502		FERRITE OU		IC801	8-759-592-40	IC CXD9509Q	
FB503			JH	IC802	8-759-595-53	IC MB81F643242B-10FN	
FB504			JH	IC803	8-759-460-29	IC PST9120NL	
FB601	1 1-414-553-11	FERRITE OU	JH				
				IC901	8-752-367-59	IC CXD2309Q	
FB801		FERRITE OU		IC902	8-759-648-21	IC MB94918-APF-G-121-BND	
FB802	2 1-414-553-11	FERRITE OU	JΗ	IC903	8-759-527-75	IC M24C04-MN6T	
				IC904	8-759-349-11	IC PST9145NL	
		<filter></filter>					
						<coil></coil>	
FL304		FILTER, CHIP EMI					
FL305	5 1-234-177-21	FILTER, CHIP EMI		L302	1-412-029-11	INDUCTOR CHIP 10UH	
FL306	1-239-558-11	FILTER, CHIP EMI		L303	1-412-029-11	INDUCTOR CHIP 10UH	
FL501	1-233-877-11	FILTER, LOW PASS		L501	1-412-026-11	INDUCTOR CHIP 1UH	
FL502	2 1-233-504-21	FILTER, LOW PASS		L502	1-412-026-11	INDUCTOR CHIP 1UH	
				L503	1-412-026-11	INDUCTOR CHIP 1UH	
FL503	3 1-233-504-21	FILTER, LOW PASS					
FL504	1-234-177-21	FILTER, CHIP EMI		L504	1-412-026-11	INDUCTOR CHIP 1UH	
FL505	1-234-177-21	FILTER, CHIP EMI		L505	1-412-029-11	INDUCTOR CHIP 10UH	
FL506	1-234-177-21	FILTER, CHIP EMI		L506	1-412-026-11	INDUCTOR CHIP 1UH	
FL508	3 1-234-177-21	FILTER, CHIP EMI		L508	1-412-029-11	INDUCTOR CHIP 10UH	
				L509	1-412-029-11	INDUCTOR CHIP 10UH	
FL509	1-234-177-21	FILTER, CHIP EMI					
FL510	1-234-177-21	FILTER, CHIP EMI		L511	1-412-026-11	INDUCTOR CHIP 1UH	
FL511	1-234-177-21	FILTER, CHIP EMI		L512	1-412-026-11	INDUCTOR CHIP 1UH	
FL512	2 1-234-177-21	FILTER, CHIP EMI		L604	1-412-029-11	INDUCTOR CHIP 10UH	
FL601	1-234-177-21	FILTER, CHIP EMI		L605	1-412-029-11	INDUCTOR CHIP 10UH	
FL602	2 1-234-177-21	FILTER, CHIP EMI					
FL603		FILTER, CHIP EMI				<transistor></transistor>	
FL606	1-239-560-11	FILTER, CHIP EMI					
FL801		FILTER, CHIP EMI		Q501	8-729-216-22	TRANSISTOR 2SA1162-G	
FL802	2 1-234-177-21	FILTER, CHIP EMI		Q502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q503	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL803	3 1-234-177-21	FILTER, CHIP EMI		Q510	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL804	1-234-177-21	FILTER, CHIP EMI		Q511	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL805	5 1-234-177-21	FILTER, CHIP EMI					
FL806	5 1-234-177-21	FILTER, CHIP EMI		Q512	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL807		FILTER, CHIP EMI		Q513	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q514	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL808	3 1-234-177-21	FILTER, CHIP EMI		Q515	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL810		FILTER, CHIP EMI		Q516	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL901		FILTER, LOW PASS		(
FL902		FILTER, LOW PASS		Q517	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
FL903		FILTER, LOW PASS		Q517	8-729-216-22	TRANSISTOR 2SA1162-G	
		,		Q518 Q519	1-801-806-11	TRANSISTOR 25AT102-G TRANSISTOR DTC144EKA-T146	
FL904	1-234-177-21	FILTER, CHIP EMI		Q519 Q520	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL905		FILTER, CHIP EMI		Q520 Q521	8-729-120-28	TRANSISTOR DTC144ERA-1140 TRANSISTOR 2SC1623-L5L6	
FL906		FILTER, CHIP EMI		Q321	0-127-120-20	TRANSISTOR 25CTU25-LJEU	
FL907		FILTER, CHIP EMI		Q521	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
	- · -·· - -	, ,		Q521 Q522	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5 ,27 120-20	113 H 1515 I OK 250 I 025-E5E0	



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
Q523	8-729-120-28	TRANSISTOR 2SC	1623-1 51 6			R518	1-216-295-91	SHORT	0		
-	8-729-120-28	TRANSISTOR 2SC				R520	1-216-295-91	METAL CHIP	560	0.500/	1/10W
Q524										0.30%	1/10 W
Q601	8-729-120-28	TRANSISTOR 2SC	1623-L5L6			R521	1-216-295-91	SHORT	0		
Q602	8-729-120-28	TRANSISTOR 2SC	C1623-L5L6			R523	1-216-645-11	METAL CHIP	560	0.50%	1/10W
Q901	8-729-216-22	TRANSISTOR 2SA	1162-G			R524	1-216-295-91	SHORT	0		
Q902	8-729-216-22	TRANSISTOR 2SA	1162-G			R526	1-216-645-11	METAL CHIP	560	0.50%	1/10W
Q903	8-729-216-22	TRANSISTOR 2SA	1162-G			R528	1-216-037-00	RES,CHIP	330	5%	1/10W
Q904	8-729-028-28	TRANSISTOR 2SK)		R529	1-216-669-11	METAL CHIP	5.6K		1/10W
				,							
Q905	8-729-028-28	TRANSISTOR 2SK	2036(TE85L)		R530	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
Q906	1-801-806-11	TRANSISTOR DTO		,		R531	1-216-031-00	RES,CHIP	180	5%	1/10W
Q907	8-729-216-22	TRANSISTOR 2SA				R532	1-216-669-11	METAL CHIP	5.6K		1/10W
Q908	8-729-216-22	TRANSISTOR 2SA				R533	1-216-031-00	RES,CHIP	180	5%	1/10W
Q909	8-729-216-22	TRANSISTOR 2SA				R536	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
Q707	0 727 210 22	THE IT IS IS I SEE EST.	11102 0			1050	1 210 037 00	кев,сти	2.211	570	1/10//
						R537	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
		<resistor></resistor>				R540	1-216-049-91	RES,CHIP	1K	5%	1/10W
		(REDISTOR)				R548	1-216-619-11	METAL CHIP	47		1/10W
R302	1-216-013-00	RES,CHIP	33	5%	1/10W	R549	1-216-619-11	METAL CHIP	47		1/10W
R303	1-216-667-11	METAL CHIP	4.7K		1/10W 1/10W	R550	1-216-625-11	METAL CHIP	82		1/10W 1/10W
R305	1-216-007-11	RES.CHIP	4.7K 1K	5%	1/10W 1/10W	K330	1-210-023-11	METAL CHIP	62	0.50%	1/10 VV
		, -	2K			D551	1 217 725 11	METAL CHID	92	0.500/	1/10337
R306	1-216-658-11	METAL CHIP			1/10W	R551	1-216-625-11	METAL CHIP	82		1/10W
R309	1-216-009-91	RES,CHIP	22	5%	1/10W	R552	1-216-619-11	METAL CHIP	47	0.50%	1/10W
D210	1 21 6 000 01	DEG CHID	22	50/	1 /1 0337	R553	1-216-295-91	SHORT	0	0.500/	1 /1 0117
R310	1-216-009-91	RES,CHIP	22	5%	1/10W	R554	1-216-619-11	METAL CHIP	47		1/10W
R311	1-216-009-91	RES,CHIP	22	5%	1/10W	R555	1-216-077-91	RES,CHIP	15K	5%	1/10W
R313	1-216-009-91	RES,CHIP	22	5%	1/10W						
R316	1-216-009-91	RES,CHIP	22	5%	1/10W	R557	1-216-049-91	RES,CHIP	1K	5%	1/10W
R318	1-216-009-91	RES,CHIP	22	5%	1/10W	R558	1-216-025-91	RES,CHIP	100	5%	1/10W
						R559	1-216-077-91	RES,CHIP	15K	5%	1/10W
R319	1-216-049-91	RES,CHIP	1K	5%	1/10W	R560	1-216-619-11	METAL CHIP	47		1/10W
R321	1-216-009-91	RES,CHIP	22	5%	1/10W	R561	1-216-043-91	RES,CHIP	560	5%	1/10W
R323	1-216-009-91	RES,CHIP	22	5%	1/10W						
R324	1-216-009-91	RES,CHIP	22	5%	1/10W	R562	1-216-043-91	RES,CHIP	560	5%	1/10W
R325	1-216-073-00	RES,CHIP	10K	5%	1/10W	R563	1-216-043-91	RES,CHIP	560	5%	1/10W
						R571	1-216-295-91	SHORT	0		
R328	1-216-025-91	RES,CHIP	100	5%	1/10W	R572	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R333	1-216-295-91	SHORT	0			R573	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R335	1-216-013-00	RES,CHIP	33	5%	1/10W						
R336	1-216-013-00	RES,CHIP	33	5%	1/10W	R574	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R337	1-216-097-91	RES,CHIP	100K	5%	1/10W	R575	1-216-625-11	METAL CHIP	82	0.50%	1/10W
						R576	1-216-625-11	METAL CHIP	82	0.50%	1/10W
R338	1-216-295-91	SHORT	0			R577	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R339	1-216-295-91	SHORT	0			R578	1-216-619-11	METAL CHIP	47		1/10W
R343	1-216-295-91	SHORT	0								
R347	1-216-295-91	SHORT	0			R579	1-216-077-91	RES,CHIP	15K	5%	1/10W
R350	1-216-295-91	SHORT	0			R580	1-216-295-91	SHORT	0		
						R582	1-216-041-00	RES,CHIP	470	5%	1/10W
R501	1-216-025-91	RES,CHIP	100	5%	1/10W	R584	1-216-041-00	RES,CHIP	470	5%	1/10W
R502	1-216-025-91	RES,CHIP	100	5%	1/10W	R586	1-216-049-91	RES,CHIP	1K	5%	1/10W
R503	1-216-295-91	SHORT	0	- / -	-, - ,			,		- / -	-,
R504	1-216-295-91	SHORT	0			R587	1-216-049-91	RES,CHIP	1K	5%	1/10W
R505	1-216-295-91	SHORT	0			R589	1-216-049-91	RES,CHIP	1K	5%	1/10W
1000	1 210 2/3 /1	BHORE	Ü			R590	1-216-049-91	RES,CHIP	1K	5%	1/10W
R506	1-216-025-91	RES,CHIP	100	5%	1/10W	R591	1-216-049-91	RES,CHIP	1K	5%	1/10W
R507	1-216-025-91	RES,CHIP	100	5%	1/10W	R592	1-216-049-91	RES,CHIP	1K	5%	1/10W
R508	1-216-025-91	RES,CHIP	100	5%	1/10W 1/10W	1372	1 210-0 - 7-71	,стп	117	5/0	1/10 11
R508	1-216-025-91	RES,CHIP	100	5%	1/10W 1/10W	R594	1-216-041-00	RES,CHIP	470	5%	1/10W
								RES,CHIP	470 1K		
R510	1-216-043-91	RES,CHIP	560	5%	1/10W	R596	1-216-049-91			5% 5%	1/10W
D511	1 216 042 01	DEC CHID	560	50/	1/1007	R597	1-216-073-00	RES,CHIP	10K	5% 5%	1/10W
R511	1-216-043-91	RES,CHIP	560	5%	1/10W	R598	1-216-025-91	RES,CHIP	100	5%	1/10W
R512	1-216-043-91	RES,CHIP	560	5%	1/10W	R600	1-216-066-00	RES,CHIP	5.1K	5%	1/10W
R513	1-216-043-91	RES,CHIP	560	5%	1/10W	D (01	1 016 070 00	DEC CUID	1077	501	1/10337
R514	1-216-043-91	RES,CHIP	560	5%	1/10W	R601	1-216-073-00	RES,CHIP	10K	5%	1/10W
R515	1-216-043-91	RES,CHIP	560	5%	1/10W	R602	1-216-073-00	RES,CHIP	10K	5%	1/10W
						R603	1-216-073-00	RES,CHIP	10K	5%	1/10W
R516	1-216-049-91	RES,CHIP	1K	5%	1/10W	R604	1-216-033-00	RES,CHIP	220	5%	1/10W
R517	1-216-049-91	RES,CHIP	1K	5%	1/10W	R605	1-216-295-91	SHORT	0		



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
D 600	1 216 205 01	CHODT	0			D 607	1 216 205 01	CHODT	0		
R608	1-216-295-91	SHORT	0	50/	1/1011	R687	1-216-295-91	SHORT	0	50/	1 /1 0337
R609	1-216-073-00	RES,CHIP	10K	5%	1/10W	R688	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R610	1-216-033-00	RES,CHIP	220	5%	1/10W						
R611	1-216-073-00	RES,CHIP	10K	5%	1/10W	R689	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R612	1-216-073-00	RES,CHIP	10K	5%	1/10W	R690	1-216-295-91	SHORT	0		
						R691	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R613	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R692	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R615	1-216-089-91	RES,CHIP	47K	5%	1/10W	R693	1-216-009-91	RES,CHIP	22	5%	1/10W
R616	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R617	1-216-295-91	SHORT	0			R694	1-216-295-91	SHORT	0		
R619	1-216-073-00	RES,CHIP	10K	5%	1/10W	R695	1-216-047-91	RES,CHIP	820	5%	1/10W
1101)	1 210 0/2 00	nab,em	1011	270	1,10	R696	1-216-049-91	RES,CHIP	1K	5%	1/10W
R621	1-216-295-91	SHORT	0			R697	1-216-117-00	RES,CHIP	680K	5%	1/10W
R622	1-216-295-91	SHORT	0			R698	1-216-117-00	RES,CHIP	680K	5%	1/10W
						K096	1-210-117-00	кез,спіг	OOOK	370	1/10 W
R623	1-216-295-91	SHORT	0			D 400	4.044.007.04	arron.			
R624	1-216-295-91	SHORT	0			R699	1-216-295-91	SHORT	0		
R625	1-216-295-91	SHORT	0			R801	1-216-009-91	RES,CHIP	22	5%	1/10W
						R802	1-216-009-91	RES,CHIP	22	5%	1/10W
R626	1-216-073-00	RES,CHIP	10K	5%	1/10W	R804	1-216-073-00	RES,CHIP	10K	5%	1/10W
R628	1-216-295-91	SHORT	0			R806	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R629	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R631	1-216-295-91	SHORT	0	270	1,10	R807	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R634	1-216-295-91	SHORT	0			R812	1-216-073-00	RES,CHIP	10K	5%	1/10W
K034	1-210-293-91	SHOKI	U						0	370	1/10 W
D 40.5		arro p.m.				R813	1-216-295-91	SHORT		=	4 /4 0777
R635	1-216-295-91	SHORT	0			R814	1-216-073-00	RES,CHIP	10K	5%	1/10W
R638	1-216-295-91	SHORT	0			R815	1-216-073-00	RES,CHIP	10K	5%	1/10W
R639	1-216-017-91	RES,CHIP	47	5%	1/10W						
R640	1-216-009-91	RES,CHIP	22	5%	1/10W	R816	1-216-073-00	RES,CHIP	10K	5%	1/10W
R642	1-216-295-91	SHORT	0			R817	1-216-613-11	METAL CHIP	27	0.50%	1/10W
						R818	1-216-295-91	SHORT	0		
R643	1-216-295-91	SHORT	0			R820	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R645	1-216-295-91	SHORT	0			R822	1-216-295-91	SHORT	0	0.5070	1/10 **
						No22	1-210-293-91	SHOKI	U		
R651	1-216-295-91	SHORT	0	- 0.	4 /4 0777	2000	4 24 4 0 22 00	DEG GIVE	4077	=	4 /4 0777
R653	1-216-025-91	RES,CHIP	100	5%	1/10W	R823	1-216-073-00	RES,CHIP	10K	5%	1/10W
R654	1-216-033-00	RES,CHIP	220	5%	1/10W	R824	1-216-073-00	RES,CHIP	10K	5%	1/10W
						R825	1-216-621-11	METAL CHIP	56		1/10W
R655	1-216-295-91	SHORT	0			R826	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R657	1-216-009-91	RES,CHIP	22	5%	1/10W	R827	1-216-607-11	METAL CHIP	15	0.50%	1/10W
R658	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R659	1-216-025-91	RES,CHIP	100	5%	1/10W	R834	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R660	1-216-025-91	RES,CHIP	100	5%	1/10W	R835	1-216-623-11	METAL CHIP	68		1/10W
Rooo	1 210 023 71	KLD,CIII	100	370	1/10 **	R836	1-216-611-11	METAL CHIP	22		1/10W
D661	1-216-025-91	RES.CHIP	100	5%	1/10337	R840	1-216-295-91	SHORT	0	0.5070	1/10 **
R661		,-			1/10W					50/	1 /1 0337
R664	1-216-009-91	RES,CHIP	22	5%	1/10W	R844	1-216-009-91	RES,CHIP	22	5%	1/10W
R665	1-216-035-00	RES,CHIP	270	5%	1/10W						
R666	1-216-646-11	METAL CHIP	620		1/10W	R845	1-216-009-91	RES,CHIP	22	5%	1/10W
R667	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	R846	1-216-009-91	RES,CHIP	22	5%	1/10W
						R847	1-216-009-91	RES,CHIP	22	5%	1/10W
R668	1-216-009-91	RES,CHIP	22	5%	1/10W	R848	1-216-009-91	RES,CHIP	22	5%	1/10W
R670	1-216-295-91	SHORT	0			R849	1-216-009-91	RES,CHIP	22	5%	1/10W
R671	1-216-073-00	RES,CHIP	10K	5%	1/10W			,-			
R672	1-216-073-00	RES,CHIP	10K	5%	1/10W	R850	1-216-009-91	RES,CHIP	22	5%	1/10W
			10K 10K				1-216-009-91	RES,CHIP			1/10W 1/10W
R673	1-216-073-00	RES,CHIP	10K	5%	1/10W	R851			22	5%	
D 45.1	4 24 4 0 22 00	DEG GIVE	4077	- 0.	4 /4 0777	R852	1-216-009-91	RES,CHIP	22	5%	1/10W
R674	1-216-073-00	RES,CHIP	10K	5%	1/10W	R853	1-216-009-91	RES,CHIP	22	5%	1/10W
R675	1-216-073-00	RES,CHIP	10K	5%	1/10W	R854	1-216-009-91	RES,CHIP	22	5%	1/10W
R676	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R677	1-216-073-00	RES,CHIP	10K	5%	1/10W	R855	1-216-009-91	RES,CHIP	22	5%	1/10W
R678	1-216-073-00	RES,CHIP	10K	5%	1/10W	R856	1-216-009-91	RES,CHIP	22	5%	1/10W
		•				R857	1-216-009-91	RES,CHIP	22	5%	1/10W
R679	1-216-073-00	RES,CHIP	10K	5%	1/10W	R858	1-216-009-91	RES,CHIP	22	5%	1/10W
R680	1-216-073-00	RES,CHIP	10K 10K	5%	1/10W 1/10W	R859	1-216-009-91	RES,CHIP	22	5%	1/10W 1/10W
						Kosy	1-210-009-91	кез,спіг	44	J%0	1/10W
R681	1-216-073-00	RES,CHIP	10K	5%	1/10W	D.C		PEG 011-		-	4 /4 077-
R682	1-216-073-00	RES,CHIP	10K	5%	1/10W	R860	1-216-009-91	RES,CHIP	22	5%	1/10W
R683	1-216-073-00	RES,CHIP	10K	5%	1/10W	R861	1-216-009-91	RES,CHIP	22	5%	1/10W
						R862	1-216-009-91	RES,CHIP	22	5%	1/10W
R684	1-216-073-00	RES,CHIP	10K	5%	1/10W	R863	1-216-009-91	RES,CHIP	22	5%	1/10W
R685	1-216-073-00	RES,CHIP	10K	5%	1/10W	R864	1-216-009-91	RES,CHIP	22	5%	1/10W
R686	1-216-073-00	RES,CHIP	10K	5%	1/10W	1		* *			
22000	- 210 0/3 00	- 225,02211		2,0							



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R865	1-216-009-91	RES,CHIP	22	5%	1/10W	R935	1-216-073-00	RES,CHIP	10K	5%	1/10W
R866	1-216-009-91	RES,CHIP	22	5%	1/10W	R936	1-216-041-00	RES,CHIP	470	5%	1/10W
R867	1-216-009-91	RES,CHIP	22	5%	1/10W	R937	1-216-025-91	RES,CHIP	100	5%	1/10W
R868	1-216-009-91	RES,CHIP	22	5%	1/10W			,.			
R869	1-216-009-91	RES,CHIP	22	5%	1/10W	R938	1-216-025-91	RES,CHIP	100	5%	1/10W
11007	1 210 007 71	nas,em		270	1,1011	R939	1-216-295-91	SHORT	0	270	1/10//
R870	1-216-009-91	RES,CHIP	22	5%	1/10W	R940	1-216-295-91	SHORT	0		
R871	1-216-009-91	RES,CHIP	22	5%	1/10W	R941	1-216-295-91	SHORT	0		
R872	1-216-009-91	RES,CHIP	22	5%	1/10W	R942	1-216-037-00	RES,CHIP	330	5%	1/10W
R873	1-216-009-91	RES,CHIP	22	5%	1/10W	10.12	1 210 037 00	тав,етт	330	570	1/10//
R874	1-216-009-91	RES,CHIP	22	5%	1/10W	R943	1-216-033-00	RES,CHIP	220	5%	1/10W
Ko/+	1-210-007-71	KL5,CIII	22	370	1/10 **	R944	1-216-295-91	SHORT	0	370	1/10**
R875	1-216-009-91	RES,CHIP	22	5%	1/10W	R945	1-216-295-91	SHORT	0		
R876	1-216-009-91	RES,CHIP	22	5%	1/10W	R951	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R877		*	22			R952			2.2K 2.2K	5%	1/10W 1/10W
	1-216-009-91	RES,CHIP		5%	1/10W	K932	1-216-057-00	RES,CHIP	2.2 K	3%	1/10W
R878	1-216-009-91	RES,CHIP	22	5%	1/10W	D052	1 016 005 01	CHODE	0		
R879	1-216-009-91	RES,CHIP	22	5%	1/10W	R953	1-216-295-91	SHORT	0		
						R954	1-216-295-91	SHORT	0		
R880	1-216-009-91	RES,CHIP	22	5%	1/10W	R955	1-216-295-91	SHORT	0		
R881	1-216-009-91	RES,CHIP	22	5%	1/10W	R956	1-216-089-91	RES,CHIP	47K	5%	1/10W
R882	1-216-009-91	RES,CHIP	22	5%	1/10W	R957	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R883	1-216-009-91	RES,CHIP	22	5%	1/10W						
R884	1-216-009-91	RES,CHIP	22	5%	1/10W	R958	1-216-635-11	METAL CHIP	220		1/10W
						R959	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R885	1-216-009-91	RES,CHIP	22	5%	1/10W	R960	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R886	1-216-009-91	RES,CHIP	22	5%	1/10W	R961	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R887	1-216-009-91	RES,CHIP	22	5%	1/10W	R962	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R888	1-216-009-91	RES,CHIP	22	5%	1/10W						
R889	1-216-009-91	RES,CHIP	22	5%	1/10W	R979	1-216-295-91	SHORT	0		
		*				R981	1-216-037-00	RES,CHIP	330	5%	1/10W
R890	1-216-009-91	RES,CHIP	22	5%	1/10W	R982	1-216-037-00	RES,CHIP	330	5%	1/10W
R891	1-216-009-91	RES,CHIP	22	5%	1/10W	R983	1-216-089-91	RES,CHIP	47K	5%	1/10W
R892	1-216-009-91	RES,CHIP	22	5%	1/10W	R984	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R893	1-216-009-91	RES,CHIP	22	5%	1/10W	1001	1 210 001 00	тав,етт	3.311	570	1/1011
R894	1-216-009-91	RES,CHIP	22	5%	1/10W	R985	1-216-113-00	RES,CHIP	470K	5%	1/10W
KO)+	1-210-007-71	KL5,CIII	22	370	1/10 **	R986	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R895	1-216-009-91	RES,CHIP	22	5%	1/10W	R987	1-216-049-91	RES,CHIP	1K	5%	1/10W
R896	1-216-009-91	RES,CHIP	22	5%	1/10W 1/10W	R988	1-216-033-00	RES,CHIP	220	5%	1/10W 1/10W
		,									
R897	1-216-009-91	RES,CHIP	22	5%	1/10W	R989	1-216-081-00	RES,CHIP	22K	5%	1/10W
R898	1-216-009-91	RES,CHIP RES,CHIP	22	5%	1/10W	DOOO	1 216 112 00	DEC CIUD	470IZ	£0/	1/10337
R899	1-216-073-00	кез,спіг	10K	5%	1/10W	R990	1-216-113-00	RES,CHIP	470K	5%	1/10W
D001	1 216 061 00	DEC CIUD	2 217	50/	1 /1 0337	R991	1-216-295-91	SHORT	0	5 0/	1/10337
R901	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R993	1-216-089-91	RES,CHIP	47K	5%	1/10W
R902	1-216-659-11	METAL CHIP	2.2K		1/10W	R994	1-216-033-00	RES,CHIP	220	5%	1/10W
R903	1-216-663-11	METAL CHIP	3.3K		1/10W	R995	1-216-033-00	RES,CHIP	220	5%	1/10W
R904	1-216-635-11	METAL CHIP	220		1/10W	Door.	4.444.000.00	DEG GIVE	220	- 0.	4 /4 0 77 7
R905	1-216-635-11	METAL CHIP	220	0.50%	1/10W	R996	1-216-037-00	RES,CHIP	330	5%	1/10W
				e = -	4 /4 0	R997	1-216-037-00	RES,CHIP	330	5%	1/10W
R906	1-216-635-11	METAL CHIP	220		1/10W	R998	1-216-073-00	RES,CHIP	10K	5%	1/10W
R907	1-216-635-11	METAL CHIP	220		1/10W	R2801	1-216-629-11	METAL CHIP	120		1/10W
R908	1-216-635-11	METAL CHIP	220		1/10W	R2802	1-216-623-11	METAL CHIP	68	0.50%	1/10W
R909	1-216-635-11	METAL CHIP	220	0.50%	1/10W						
R910	1-216-049-91	RES,CHIP	1K	5%	1/10W	R2803	1-216-603-11	METAL CHIP	10		1/10W
						R2804	1-216-627-11	METAL CHIP	100		1/10W
R911	1-216-049-91	RES,CHIP	1K	5%	1/10W	R2805	1-216-623-11	METAL CHIP	68	0.50%	1/10W
R912	1-216-049-91	RES,CHIP	1K	5%	1/10W	R2806	1-216-611-11	METAL CHIP	22	0.50%	1/10W
R914	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R2809	1-216-295-91	SHORT	0		
R916	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R923	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R2810	1-216-295-91	SHORT	0		
						R2813	1-216-295-91	SHORT	0		
R926	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R2815	1-216-295-91	SHORT	0		
R927	1-216-295-91	SHORT	0			R2817	1-216-295-91	SHORT	0		
R929	1-216-025-91	RES,CHIP	100	5%	1/10W	R2818	1-216-295-91	SHORT	0		
R930	1-216-025-91	RES,CHIP	100	5%	1/10W				-		
R931	1-216-041-00	RES,CHIP	470	5%	1/10W	R2820	1-216-295-91	SHORT	0		
1.7.51	1 210 0 11 00	,		570	2, 20 11	R2822	1-216-295-91	SHORT	0		
R933	1-216-025-91	RES,CHIP	100	5%	1/10W	112022	- 210 2/J-/1	SHORI	U		
R934	1-216-025-91	RES,CHIP	100	5%	1/10W						
10/37	1 210 020 71	,	100	5 /0	1/1011	1					

KV-ES34M31/ES34M61/ES34M80/ES34M90



REF. NO	PART NO.	DESCRIPTION	REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
RB001	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2017	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB002	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2018	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB003	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2021	1-163-038-91	CERAMIC CHIP	0.1MF		25V
RB004	1-239-409-11	NETWORK RESISTOR (CHIP) 47							
RB005	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2024	1-216-295-91	SHORT	0		
		,		C2029	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB006	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2030	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB007	1-239-414-11	NETWORK RESISTOR (CHIP) 150)	C2031	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB008	1-239-414-11	NETWORK RESISTOR (CHIP) 150)	C2032	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB009	1-239-414-11	NETWORK RESISTOR (CHIP) 150)						
RB010	1-239-414-11	NETWORK RESISTOR (CHIP) 150)	C2033	1-165-319-11	CERAMIC CHIP	0.1MF		50V
				C2034	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB011	1-239-414-11	NETWORK RESISTOR (CHIP) 150		C2035	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB012	1-239-414-11	NETWORK RESISTOR (CHIP) 150)	C2036	1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB013	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C2037	1-104-664-11	ELECT	47MF	20%	16V
RB014	1-239-621-11	NETWORK RESISTOR (CHIP) 22		G2020	1 165 210 11	CED AMIC CHID	0.1145		5017
RB015	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C2038	1-165-319-11	CERAMIC CHIP	0.1MF		50V
DD016	1 220 (21 11	NETWORK DECISION (CHID) 22		C2039	1-165-319-11 1-165-319-11	CERAMIC CHIP	0.1MF		50V
RB016 RB017	1-239-621-11 1-239-621-11	NETWORK RESISTOR (CHIP) 22 NETWORK RESISTOR (CHIP) 22		C2040 C2041	1-105-319-11	CERAMIC CHIP ELECT	0.1MF 330MF	20%	50V 6.3V
RB017	1-239-621-11	` , , , , , , , , , , , , , , , , , , ,		C2041 C2042	1-120-924-11	CERAMIC CHIP	0.1MF	20%	50V
RB018	1-239-621-11	NETWORK RESISTOR (CHIP) 22 NETWORK RESISTOR (CHIP) 47		C2042	1-102-317-11	CENAIVIIC CHIP	U. HVII		JU ¥
RB019	1-239-409-11	NETWORK RESISTOR (CHIP) 47 NETWORK RESISTOR (CHIP) 47		C2044	1-104-664-11	ELECT	47MF	20%	16V
KD020	1-239-409-11	NET WORK RESISTOR (CIIII) 47		C2044	1-163-106-00	CERAMIC CHIP	36PF	5%	50V
RB021	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2046	1-126-964-11	ELECT	10MF	20%	50V
RB022	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2047	1-164-505-11	CERAMIC CHIP	2.2MF	2070	16V
RB023	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2048	1-126-964-11	ELECT	10MF	20%	50V
RB024	1-239-409-11	NETWORK RESISTOR (CHIP) 47		020.0	1 120 70 . 11	22201	101.11	2070	
RB025	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2049	1-126-960-11	ELECT	1MF	20%	50V
		, ,		C2050	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
RB026	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2051	1-126-964-11	ELECT	10MF	20%	50V
RB027	1-239-409-11	NETWORK RESISTOR (CHIP) 47		C2052	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
RB301	1-239-621-11	NETWORK RESISTOR (CHIP) 22		C2053	1-126-960-11	ELECT	1MF	20%	50V
RB302	1-239-621-11	NETWORK RESISTOR (CHIP) 22							
RB701	1-239-711-91	NETWORK RESISTOR (CHIP) 0		C2054	1-104-664-11	ELECT	47MF	20%	16V
				C2055	1-104-664-11	ELECT	47MF	20%	16V
RB702	1-239-711-91	NETWORK RESISTOR (CHIP) 0		C2056	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
RB703	1-239-711-91	NETWORK RESISTOR (CHIP) 0		C2057	1-163-031-11	CERAMIC CHIP	0.01MF		50V
RB704	1-239-711-91	NETWORK RESISTOR (CHIP) 0		C2058	1-163-031-11	CERAMIC CHIP	0.01MF		50V
RB705	1-239-711-91	NETWORK RESISTOR (CHIP) 0							
RB706	1-239-711-91	NETWORK RESISTOR (CHIP) 0		C2059	1-104-664-11	ELECT	47MF	20%	16V
				C2060	1-163-031-11	CERAMIC CHIP	0.01MF		50V
				C2061	1-163-031-11	CERAMIC CHIP	0.01MF		50V
		<crystal></crystal>		C2062	1-104-664-11	ELECT	47MF	20%	16V
*****	4 704 540 64	ORGANI IMOD GDIVATII		C2063	1-165-319-11	CERAMIC CHIP	0.1MF		50V
X801	1-781-649-21	OSCILLATOR, CRYSTAL		C2064	1 162 021 11	CED AMIC CUTE	0.013.45		50V
X802	1-781-650-21	VIBRATOR, CRYSTAL		C2064	1-163-031-11	CERAMIC CHIP	0.01MF		50V
X901	1-760-014-11	VIBRATOR, CERAMIC		C2065	1-163-031-11	CERAMIC CHIP	0.01MF	200/	50V
				C2066 C2067	1-104-664-11	ELECT	47MF	20%	16V 16V
				l l	1-104-664-11 1-104-664-11	ELECT	47MF	20%	
******	******	**********	******	C2068	1-104-004-11	ELECT	47MF	20%	16V
				C2069	1-163-031-11	CERAMIC CHIP	0.01MF		50V
:	* A_1136_060 A	BC4 BOARD COMPLETE		C2009	1-103-031-11	ELECT	47MF	20%	30 V 16 V
	A-1130-003-A	**************************************		C2070	1-104-004-11	CERAMIC CHIP	0.1MF	2070	50V
				C2072	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
		<capacitor></capacitor>		C2074	1-163-038-91	CERAMIC CHIP	0.1MF	370	25V
				22071	1 100 000 71	22	V.11/11		
C2003	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C2075	1-163-038-91	CERAMIC CHIP	0.1MF		25V
C2005	1-163-131-00	CERAMIC CHIP 390PF 59		C2078	1-104-664-11	ELECT	47MF	20%	16V
C2006	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C2079	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C2010	1-163-102-00	CERAMIC CHIP 24PF 59		C2080	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C2011	1-163-102-00	CERAMIC CHIP 24PF 59		C2095	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2015	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C2096	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C2016	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C2097	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
				1					



REF. NO. PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
	<connector></connector>		Q2018 Q2019	8-729-216-22 8-729-422-33	TRANSISTOR 2SA TRANSISTOR 2SI			
CN2001* 1-793-685-11	PIN, CONNECTOR (PC BOARD) 15P		Q2019	6-129-422-33	TRAINSISTOR 251	001A-Q-1A		
	<ferrite bead=""></ferrite>				<resistor></resistor>			
	CI ERROTE BEADS		R2011	1-216-041-00	RES,CHIP	470	5%	1/10W
FB2002 1-414-234-22	INDUCTOR CHIP 0UH		R2015	1-216-041-00	RES,CHIP	470	5%	1/10W
FB2008 1-414-234-22	INDUCTOR CHIP OUH		R2019	1-216-295-91	SHORT	0	570	1/10//
FB2009 1-414-234-22	INDUCTOR CHIP OUH		R2021	1-216-025-91	RES,CHIP	100	5%	1/10W
FB2010 1-414-234-22	INDUCTOR CHIP OUH		R2027	1-216-025-91	RES,CHIP	1K	5%	1/10W
FB2011 1-414-234-22	INDUCTOR CHIP OUH		112027	1 210 047 71	KL5,CIII	110	570	1/10**
152011 1 111 25 1 22	in beer on emiliary		R2028	1-216-049-91	RES,CHIP	1K	5%	1/10W
FB2012 1-414-234-22	INDUCTOR CHIP 0UH		R2029	1-216-043-91	RES,CHIP	560	5%	1/10W
FB2014 1-414-234-22	INDUCTOR CHIP 0UH		R2030	1-216-043-91	RES,CHIP	560	5%	1/10W
FB2015 1-414-234-22	INDUCTOR CHIP OUH		R2031	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
FB2016 1-414-234-22	INDUCTOR CHIP 0UH		R2032	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
FB2017 1-414-234-22	INDUCTOR CHIP OUH				,			
			R2033	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
			R2034	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
	<filter></filter>		R2035	1-216-043-91	RES,CHIP	560	5%	1/10W
			R2036	1-216-649-11	METAL CHIP	820	0.50%	1/10W
FL2001 1-239-848-11	FILTER, LOW PASS		R2037	1-216-044-00	RES,CHIP	620	5%	1/10W
FL2002 1-239-848-11	FILTER, LOW PASS				,			
FL2003 1-239-848-11	FILTER, LOW PASS		R2039	1-216-047-91	RES,CHIP	820	5%	1/10W
FL2004 1-239-848-11	FILTER, LOW PASS		R2040	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
FL2005 1-233-512-21	FERRITE 37UH		R2041	1-216-047-91	RES,CHIP	820	5%	1/10W
			R2042	1-216-075-00	RES,CHIP	12K	5%	1/10W
FL2006 1-233-512-21	FERRITE 37UH		R2043	1-216-085-00	RES,CHIP	33K	5%	1/10W
FL2007 1-233-512-21	FERRITE 37UH							
			R2044	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
			R2046	1-216-075-00	RES,CHIP	12K	5%	1/10W
	<ic></ic>		R2047	1-216-085-00	RES,CHIP	33K	5%	1/10W
			R2048	1-216-049-91	RES,CHIP	1K	5%	1/10W
IC2003 8-759-568-27	IC MSM514265C-60JSDR1		R2049	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
IC2004 8-759-594-44	IC UPD64082GF-3BA							
IC2005 8-759-431-14	IC PQ3TZ53U		R2050	1-216-017-91	RES,CHIP	47	5%	1/10W
			R2051	1-216-049-91	RES,CHIP	1K	5%	1/10W
			R2052	1-216-049-91	RES,CHIP	1K	5%	1/10W
	<coil></coil>		R2053	1-216-041-00	RES,CHIP	470	5%	1/10W
			R2054	1-216-041-00	RES,CHIP	470	5%	1/10W
L2001 1-410-200-31	INDUCTOR CHIP 4.7UH							
L2004 1-412-058-11	INDUCTOR CHIP 10UH		R2055	1-216-017-91	RES,CHIP	47	5%	1/10W
L2005 1-412-058-11	INDUCTOR CHIP 10UH		R2056	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
L2006 1-412-058-11	INDUCTOR CHIP 10UH		R2057	1-216-049-91	RES,CHIP	1K	5%	1/10W
L2007 1-412-058-11	INDUCTOR CHIP 10UH		R2058	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
			R2059	1-216-049-91	RES,CHIP	1K	5%	1/10W
L2008 1-412-058-11	INDUCTOR CHIP 10UH							
			R2060	1-216-025-91	RES,CHIP	100	5%	1/10W
			R2061	1-216-043-91	RES,CHIP	560	5%	1/10W
	<transistor></transistor>		R2062	1-216-105-91	RES,CHIP	220K	5%	1/10W
02002 0 720 214 22	TD ANGIGTOD 20 A 11 C2 C		R2063	1-216-089-91	RES,CHIP	47K	5%	1/10W
Q2002 8-729-216-22	TRANSISTOR 2SA1162-G		R2064	1-216-049-91	RES,CHIP	1K	5%	1/10W
Q2003 8-729-216-22	TRANSISTOR 2SA1162-G		D2066	1 21 6 022 00	DEG CHID	220	50/	1 /1 011
Q2004 8-729-216-22	TRANSISTOR 2SA1162-G		R2066	1-216-033-00	RES,CHIP	220	5%	1/10W
Q2005 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2067	1-216-043-91	RES,CHIP	560	5%	1/10W
Q2006 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2069	1-216-645-11	METAL CHIP	560		1/10W
00007 0 700 400 00	TD A NOIGTOD AGD COLA O TW		R2070	1-216-641-11	METAL CHIP	390		1/10W
Q2007 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2071	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
Q2008 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		D2072	1 216 042 01	DEC CUID	500	50/	1/10337
Q2009 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2072	1-216-043-91	RES,CHIP	560	5%	1/10W
Q2010 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2073	1-216-049-91	RES,CHIP	1K	5% 5%	1/10W
Q2011 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2074	1-216-025-91	RES,CHIP	100	5%	1/10W
00010 0 700 016 00	TD ANGICTOD 20 A 11/2 C		R2075	1-216-295-91	SHORT	0	50/	1/1037
Q2012 8-729-216-22	TRANSISTOR 2SA1162-G		R2076	1-216-025-91	RES,CHIP	100	5%	1/10W
Q2013 8-729-216-22	TRANSISTOR 2SA1162-G		D2077	1 216 025 01	DEC CHID	100	50/	1/1037
Q2014 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2077	1-216-025-91	RES,CHIP	100	5%	1/10W
Q2015 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2078	1-216-295-91	SHORT	0	50/	1/1037
Q2016 8-729-422-33	TRANSISTOR 2SD601A-Q-TX		R2092	1-216-055-00	RES,CHIP	1.8K	5%	1/10W

BC4 C

REF. NC	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R2093 R2104	1-216-055-00 1-216-295-91	RES,CHIP SHORT	1.8K 0	5%	1/10 W	C9028 C9029	1-163-017-00 1-163-017-00	CERAMIC CHIP CERAMIC CHIP	0.0047MF 0.0047MF	10% 10%	50V 50V
R2105	1-216-295-91	SHORT	0			C9030	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
R2106	1-216-295-91	SHORT	0			C9031	1-162-114-00	CERAMIC	0.0047MF		2KV
R2107	1-216-295-91	SHORT	0			C9032	1-162-116-00	CERAMIC	680PF	10%	2KV
R2108	1-216-049-91	RES,CHIP	1K	5%	1/10W	C9033	1-107-662-11	ELECT	22MF	20%	250V
R2110	1-216-295-91	SHORT	0			C9035	1-162-114-00	CERAMIC	0.0047MF		2KV
R2112	1-216-295-91	SHORT	0			C9042	1-126-940-11	ELECT	330MF	20%	25V
R2113	1-216-017-91	RES,CHIP	47	5%	1/10W						
R2115	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R2116	1-216-295-91	SHORT	0					<connector></connector>			
R2117	1-216-295-91	SHORT	0			CN90013	* 1-564-512-11	PLUG, CONNECT	OR 9P		
R2118	1-216-296-91	SHORT	0				1-691-765-11	PLUG (MICRO CO		3P	
R2119	1-216-296-91	SHORT	0			CN9003	1-695-915-11	TAB (CONTACT)	,		
R2200	1-216-296-91	SHORT	0			CN9004	1-695-915-11	TAB (CONTACT)			
						CN9005*	1-564-506-11	PLUG, CONNECT	OR 3P		
		<variable res<="" td=""><td>ISTOR></td><td></td><td></td><td>CN9007</td><td>1-785-879-11</td><td>CONNECTOR, ON</td><td>NE TOUCH</td><td></td><td></td></variable>	ISTOR>			CN9007	1-785-879-11	CONNECTOR, ON	NE TOUCH		
RV2001	1-223-271-21	RES, ADJ, CERMI	ET 220								
11,2001	1 220 271 21	125,120,021						<diode></diode>			
		<crystal></crystal>				D9002	8-719-400-75	DIODE MA3091	ro: 00		
7/2001	1.767.606.11	THEN THEN COL	OTL I			D9005	8-719-073-01	DIODE MA111-(K	(8).S0		
X2001	1-767-606-11	VIBRATOR, CRY	STAL			D9006	8-719-051-85	DIODE HSS83TD			
						D9007 D9008	8-719-051-85 8-719-051-85	DIODE HSS83TD DIODE HSS83TD			
						D)000	0-717-031-03	DIODE HSS031D			
******	*******	******	*********	******	******	D9009 D9010	8-719-908-03 8-719-110-17	DIODE GP08D DIODE RD10ESB	2		
	* A-1332-005-A	C BOARD MOUN									
		******	***					<ic></ic>			
	4-382-854-11	SCREW (M3X10).	. P. SW (+)					(IC)			
			, , ,			IC9001	8-759-360-83	IC TDA6111Q/N4			
						IC9002	8-759-360-83	IC TDA6111Q/N4			
		<capacitor></capacitor>				IC9003	8-759-360-83	IC TDA6111Q/N4			
C9002	1-163-087-00	CERAMIC CHIP	4PF	0.25P	F 50V						
C9003	1-163-087-00	CERAMIC CHIP	4PF	0.25P				<jack></jack>			
C9004	1-162-114-00	CERAMIC	0.0047MF		2KV						
C9005	1-163-087-00	CERAMIC CHIP	4PF	0.25P	F 50V	J9001 ₫	1-540-071-22	SOCKET, CRT			
C9006	1-163-091-00	CERAMIC CHIP	8PF	0.25P	F 50V	.,,,,,					
C9007	1-163-091-00	CERAMIC CHIP	8PF	0.25P	F 50V			<coil></coil>			
C9008	1-163-091-00	CERAMIC CHIP	8PF	0.25P				COIL/			
C9009	1-163-087-00	CERAMIC CHIP	4PF	0.25P		L9001	1-414-158-11	INDUCTOR	2.2UH		
C9010	1-163-087-00	CERAMIC CHIP	4PF	0.25P		L9002	1-408-591-11	INDUCTOR	1UH		
C9011	1-136-207-11	MYLAR	0.047MF	10%	250V	L9003	1-408-591-11	INDUCTOR	1UH		
						L9004	1-408-591-11	INDUCTOR	1UH		
C9012	1-136-207-11	MYLAR	0.047MF	10%	250V	L9005	1-406-666-21	INDUCTOR	150UH		
C9014	1-136-207-11	MYLAR	0.047MF	10%	250V						
C9015	1-163-087-00	CERAMIC CHIP	4PF	0.25P	F 50V	L9006	1-412-526-11	INDUCTOR	12UH		
C9018	1-107-961-91	ELECT	10MF	20%	250V						
C9019	1-163-035-00	CERAMIC CHIP	0.047MF		50V						
C9020	1-107-961-91	ELECT	10MF	20%	250V			<neon lamp=""></neon>			
C9020	1-107-961-91	ELECT	10MF	20%	250V 250V	NI 0001	1-519-526-11	LAMP, NEON			
C9022	1-101-004-00	CERAMIC	0.01MF	2070	50V	11L3001	1-317-320-11	LAWIF, NEUN			
C9023	1-101-004-00	CERAMIC	0.01MF		50V						
C9024	1-163-035-00	CERAMIC CHIP	0.047MF		50V			<transistor></transistor>			
C9025	1-104-653-11	ELECT	220MF	20%	16V	O9001	8-729-026-49	TRANSISTOR 2S.	ል 1 በ 3 7 <i>ለ የ</i> ፡ ጥ 1 -	16-P	
C9026	1-163-035-00	CERAMIC CHIP	0.047MF		50V	Q9001 Q9009	8-729-026-49	TRANSISTOR 2S.			
C9027	1-101-004-00	CERAMIC	0.01MF		50V	Q9009 Q9010	8-729-026-49	TRANSISTOR 2S.			
-						Q9010 Q9011	8-729-026-49	TRANSISTOR 2S.			
						~			_		

RM-916





REF. NO	. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
		<resistor></resistor>				*	A-1346-902-A	D BOARD COMPI	LETE		
D0001	1 216 050 00	DEG CHID	2.71/	5 0/	1 /1 011			******	*****		
R9001 R9006	1-216-059-00 1-216-073-00	RES,CHIP RES,CHIP	2.7K 10K	5% 5%	1/10W 1/10W	*	4-363-146-00	HEAT SINK, V.OU	T		
R9000	1-210-073-00	METAL CHIP	2K		1/10W 1/10W		4-382-854-11	SCREW (M3X10),			
R9008	1-216-085-00	RES,CHIP	33K	5%	1/10W		4-382-854-21	SCREW (M3X10), SCREW (M3X14),			
R9012	1-216-049-91	RES,CHIP	1K	5%	1/10W		1 302 03 1 21	Beiter (M37111),	1,511(1)		
D0012	1 216 040 01	DEC CHID	117	£0/	1/1037			CADACITOD.			
R9013 R9018	1-216-049-91 1-216-059-00	RES,CHIP RES,CHIP	1K 2.7K	5% 5%	1/10W 1/10W			<capacitor></capacitor>			
R9018	1-216-059-00	RES,CHIP	2.7K 2.7K	5% 5%	1/10W 1/10W	C6601	1-104-665-11	ELECT	100MF	20%	25V
R9019	1-216-295-91	SHORT	0	370	1/10 W	C6602	1-129-720-00	FILM	0.033MF	5%	630V
R9023	1-216-295-91	SHORT	0			C6604	1-126-967-11	ELECT	47MF	20%	50V
						C6606	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R9026	1-208-789-11	METAL CHIP	2K	0.50%	1/10W	C6607 /	1-113-887-51	CERAMIC	470PF	10%	250V
R9031	1-208-789-11	METAL CHIP	2K	0.50%	1/10W	20007 =	. 1 110 007 01	021411110	., 011	1070	2001
R9033	1-208-808-11	METAL CHIP	12K	0.50%	1/10W	C6608 A	1-119-892-51	CERAMIC	470PF	10%	250V
R9034	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W	C6609	1-136-177-00	MYLAR	1MF	5%	50V
R9035	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W	C6610	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
						C6611	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
R9036	1-216-049-91	RES,CHIP	1K	5%	1/10W	C6612	1-126-964-11	ELECT	10MF	20%	50V
R9037	1-240-233-71	METAL OXIDE	100	5%	3W						
R9038	1-208-790-11	METAL CHIP	2.2K		1/10W	C6613	1-161-830-00	CERAMIC	0.0047MF	99%	500V
R9039	1-208-790-11	METAL CHIP	2.2K		1/10W	C6614	1-161-830-00	CERAMIC	0.0047MF		500V
R9041	1-216-049-91	RES,CHIP	1K	5%	1/10W	C6615	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
D0040	1 21 6 0 40 01	DEG CHID	177	50/	1/1033	C6616	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R9042	1-216-049-91	RES,CHIP	1K	5%	1/10W	C6617	1-161-830-00	CERAMIC	0.0047MF		500V
R9043	1-240-233-71	METAL OXIDE	100	5%	3W 3W						
R9044 R9047	1-240-233-71	METAL OXIDE	100 220	5%	3W 1/2W	C6618	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R9047 R9048	1-202-557-00	SOLID RES,CHIP	2.2K	20% 5%	1/2 W 1/10W	C6619	1-161-830-00	CERAMIC	0.0047MF	99%	500V
K9040	1-216-057-00	кез,спіг	2.2K	370	1/10 W	C6620	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
R9049	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	C6621	1-131-940-11	ELECT	1200MF	20%	250V
R9050	1-249-424-11	CARBON	3.9K	5%	1/4W	C6622	1-131-940-11	ELECT	1200MF	20%	250V
R9051	1-202-557-00	SOLID	220	20%	1/2W	0.6624	1 104 000 11	EL ECE	1002 (5)	200/	101
R9052	1-202-557-00	SOLID	220	20%	1/2W	C6624	1-126-933-11	ELECT	100MF	20%	16V
R9053	1-249-424-11	CARBON	3.9K	5%	1/4W	C6625	1-129-718-00	FILM	0.022MF	5%	630V
				- , -		C6626	1-130-029-00	FILM	8200PF	2%	50V 50V
R9054	1-249-424-11	CARBON	3.9K	5%	1/4W	C6627 C6628	1-102-129-00 1-104-330-91	CERAMIC CERAMIC	0.01MF 470PF	10% 10%	30 V 1 K V
R9055	1-202-884-11	SOLID	820K	20%	1/2W	C0028	1-104-330-91	CERAMIC	4/UFF	1070	1KV
R9056	1-202-813-00	SOLID	22K	10%	1/2W	C6630	1-107-680-91	ELECT	22MF	20%	450V
R9057	1-202-847-00	SOLID	560K	20%	1/2W	C6631	1-126-964-11	ELECT	10MF	20%	50V
R9058	1-202-884-11	SOLID	820K	20%	1/2W	C6632	1-126-963-11	ELECT	4.7MF	20%	50V
						C6633	1-126-967-11	ELECT	47MF	20%	50V
R9059	1-202-818-00	SOLID	1K	20%	1/2W	C6634	1-126-968-11	ELECT	100MF	20%	50V
R9061	1-202-549-00	SOLID	100	20%	1/2W						
R9065	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	C6635	1-102-973-00	CERAMIC	100PF	5%	50V
R9068	1-216-101-00	RES,CHIP	150K	5%	1/10W	C6637	1-109-879-11	CERAMIC	22PF	5%	2KV
R9069	1-202-549-00	SOLID	100	20%	1/2W	C6638	1-126-964-11	ELECT	10MF	20%	50V
D0050	1.016.007.00	DEG CHES	220	5 0:	1 /1 0117	C6639	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
R9070	1-216-037-00	RES,CHIP	330	5%	1/10W	C6640	1-104-330-91	CERAMIC	470PF	10%	1KV
R9071	1-216-037-00	RES,CHIP	330	5% 5%	1/10W						
R9072	1-216-037-00	RES,CHIP	330	5% 5%	1/10W	C6641	1-104-341-11	MYLAR	0.1MF	10%	250V
R9073	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	C6642	1-126-964-11	ELECT	10MF	20%	50V
						C6643	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
		<variable res<="" td=""><td>ISTOD \</td><td></td><td></td><td>C6648</td><td>1-126-941-11</td><td>ELECT</td><td>470MF</td><td>20%</td><td>25V</td></variable>	ISTOD \			C6648	1-126-941-11	ELECT	470MF	20%	25V
		VARIABLE RES	ISTOK>			C6649	1-104-665-11	ELECT	100MF	20%	25V
	1-241-714-11	RES, ADJ, METAI				C6650	1-162-115-00	CERAMIC	330PF	10%	1KV
RV9002	1-230-641-11	RES, ADJ, METAI	L GLAZE 2.2	M		C6651	1-162-115-00	CERAMIC	330PF	10%	1KV
						C6652	1-110-626-11	ELECT	330MF	20%	160V
						C6653	1-137-368-11	MYLAR	0.0047MF	5%	50V
******	******	*******	********	*****	******	C6654	1-126-936-11	ELECT	3300MF	20%	16V
						C6655	1 126 042 61	EI ECT	1000ME	200/	25V
						C6655 C6656	1-126-942-61	ELECT	1000MF	20% 5%	25V 50V
						C6658	1-136-165-00 1-126-944-11	MYLAR ELECT	0.1MF 3300MF	5% 20%	25V
						C6659	1-126-944-11	ELECT ELECT	3300MF	20%	25 V 25 V
						C6660	1-126-944-11	ELECT	1MF	20%	50V
						20000	2 120 700-11	LLLC1	11711	20/0	501

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C6661	1-104-664-11	ELECT	47MF	20%	16V	C6846	1-115-514-11	FILM	0.22MF	5%	250V
C6662	1-104-664-11	ELECT	47MF	20%	16V	C6847	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6663	1-102-129-00	CERAMIC	0.01MF	10%	50V	00017	1 10 1 00 1 11	0210111110 01111	011111	10,0	20 .
C6664	1-102-129-00	CERAMIC	0.01MF	10%	50V	C6848	1-113-979-51	FILM	0.047MF	5%	250V
C6665	1-126-964-11	ELECT	10MF	20%	50V	C6849	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
						C6850	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C6666	1-137-370-11	MYLAR	0.01MF	5%	50V	C6851	1-107-639-11	ELECT	47MF	20%	160V
C6668	1-104-664-11	ELECT	47MF	20%	25V	C6853	1-102-228-00	CERAMIC	470PF	10%	500V
C6669	1-162-115-00	CERAMIC	330PF	10%	1KV						
C6670	1-162-115-00	CERAMIC	330PF	10%	1KV	C6854	1-126-941-11	ELECT	470MF	20%	25V
C6671	1-129-718-00	FILM	0.022MF	5%	630V	C6855	1-123-024-21	ELECT	33MF		160V
						C6856	1-126-971-11	ELECT	470MF	20%	50V
C6672	1-104-331-11	CERAMIC	0.0022MF	10%	1KV	C6857	1-102-228-00	CERAMIC	470PF	10%	500V
C6673	1-104-331-11	CERAMIC	0.0022MF	10%	1KV	C6858	1-102-228-00	CERAMIC	470PF	10%	500V
C6674	1-128-527-11	ELECT	330MF	20%	25V						
C6677	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	C6859	1-162-129-00	CERAMIC	150PF	10%	2KV
C6679	1-107-823-11	CERAMIC CHIP	470000PF	10%	16V	C6860	1-162-129-00	CERAMIC	150PF	10%	2KV
						C6862	1-130-202-00	FILM	0.022MF	5%	200V
C6800	1-126-964-11	ELECT	10MF	20%	50V	C6863	1-107-906-11	ELECT	10MF	20%	50V
C6801	1-126-960-11	ELECT	1MF	20%	50V	C6864	1-129-898-00	FILM	0.0022MF	5%	630V
C6802	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	0.00		TT 1.6	0.0001.55	= 0.	10077
C6803	1-102-129-00	CERAMIC	0.01MF	10%	50V	C6865	1-130-202-00	FILM	0.022MF	5%	400V
C6804	1-102-129-00	CERAMIC	0.01MF	10%	50V	C6866	1-102-030-00	CERAMIC	330PF	10%	500V
C(005	1 111 007 11	ELECT	220ME	200/	2511	C6867	1-130-785-11	MYLAR	0.47MF	10%	100V
C6805 C6806	1-111-087-11 1-107-933-11	ELECT ELECT	330MF 100MF	20% 20%	25V 100V	C6868 C6869	1-163-021-91	CERAMIC CHIP ELECT	0.01MF	10% 20%	50V 16V
C6808	1-107-933-11	MYLAR	0.22MF	10%	100V 100V	C0809	1-128-526-11	ELECI	100MF	20%	10 V
C6809	1-100-228-00	CERAMIC	0.22MF 0.001MF	10%	50V	C6870	1-128-528-11	ELECT	470MF	20%	25V
C6810	1-102-074-00	MYLAR	0.001WIF 0.1MF	10%	100V	C6870	1-128-328-11	CERAMIC CHIP	470IVII 470PF	5%	50V
C0010	1-100-220-00	WIILAK	0.11111	1070	100 V	C6872	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C6811	1-111-087-11	ELECT	330MF	20%	25V	C6874	1-136-165-00	MYLAR	0.1MF	5%	50V
C6812	1-130-785-11	MYLAR	0.47MF	10%	100V	C6875	1-104-664-11	ELECT	47MF	20%	16V
C6813	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	00075	1 101 001 11	ELLCT	17111	2070	101
C6814	1-115-565-11	CERAMIC CHIP	2.2MF	10%	10V	C6876	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6815	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C6877	1-126-964-11	ELECT	10MF	20%	50V
						C6878	1-126-320-11	ELECT	10MF	20%	16V
C6816	1-136-207-11	MYLAR	0.047MF	5%	400V	C6879	1-107-960-11	ELECT	4.7MF	20%	160V
C6817	1-126-967-11	ELECT	47MF	20%	50V	C6882	1-104-574-11	CERAMIC	0.0047MF	10%	2KV
C6818	1-126-960-11	ELECT	1MF	20%	50V						
C6819	1-126-960-11	ELECT	1MF	20%	50V	C6883	1-126-964-11	ELECT	10MF	20%	50V
C6820	1-102-114-00	CERAMIC	470PF	10%	50V	C6884	1-115-565-11	CERAMIC CHIP	2.2MF	10%	10V
C6821	1-106-383-00	MYLAR	0.047MF	10%	200V						
C6822	1-102-114-00	CERAMIC	470PF	10%	50V			<connector></connector>			
C6823	1-106-383-00	MYLAR	0.047MF	10%	200V						
C6826	1-102-030-00	CERAMIC	330PF	10%	500V	CN6602*	1-508-768-12	PIN, CONNECTOR	R (5MM PITO	CH) 2P	
C6827	1-102-030-00	CERAMIC	330PF	10%	500V	CN6603*	1-573-963-11	PIN, CONNECTOR	R (PC BOARI	D) 3P	
0.000	1 107 25: ::	100.45	0.043.57	100:	2001	CN6604*	△1-580-843-11	PIN, CONNECTOR	R (PC BOAR)	D) 5P	
C6828	1-107-364-11	MYLAR	0.01MF	10%	200V		1-564-513-11	PLUG, CONNECT			
C6829	1-162-115-00	CERAMIC	330PF	10%	2KV		1-564-510-11	PLUG, CONNECT			
C6830	1-117-619-11	FILM	1000PF	3%	1.2KV						
C6831 C6832	1-117-838-21	FILM	8200PF 12000PF	3%	1.5KV	CN6608*	1-564-506-11	PLUG, CONNECT	OR 3P		
C0832	1-117-842-21	FILM	12000PF	3%	1.5KV	CN6609*	1-508-784-21	PIN, CONNECTOR	R (5MM PITC	CH) 1P	
C6833	1-136-287-11	FILM	0.0047MF	5%	100V	CN6610*	1-508-784-21	PIN, CONNECTOR	`	,	
C6834	1-130-287-11	FILM	680PF	3%	1.5KV	CN6611*	1-508-784-21	PIN, CONNECTOR	R (5MM PITC	CH) 1P	
C6835	1-125-893-11	FILM	680PF	3%	1.5KV 1.5KV	CN6612*	1-508-784-21	PIN, CONNECTOR	R (5MM PITC	CH) 1P	
C6836	1-137-150-11	FILM	0.01MF	5%	100V						
C6837	1-125-893-11	FILM	680PF	3%	1.5KV		1-508-784-21	PIN, CONNECTOR	*	,	
20001	- 120 0/0 11		00011	270	1.0.1.1		1-508-784-21	PIN, CONNECTOR	*	,	
C6838	1-125-893-11	FILM	680PF	3%	1.5KV		1-508-784-21	PIN, CONNECTOR			
C6839	1-126-933-11	ELECT	100MF	20%	16V		1-508-784-21	PIN, CONNECTOR	*	,	
C6840	1-126-933-11	ELECT	100MF	20%	16V	CN6618*	1-508-784-21	PIN, CONNECTOR	k (5MM PITC	:H) 1P	
C6841	1-117-660-81	FILM	0.12MF	5%	250V						
C6842	1-117-673-11	FILM	1.5MF	5%	250V						
C6843	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V						
C6844	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V						
C6845	1-117-664-11	FILM	0.27MF	5%	250V	,					



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
CN6800	1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P		D6801	8-719-911-19	DIODE 1SS119-25		-
		PIN, DY CONNECTOR (PC BOARD)		D6803	8-719-510-73	DIODE S3L20UF4		
CN6802	1-793-495-11	CONNECTOR, BOARD TO BOARD 501		D6805	8-719-110-39	DIODE RD15ESB	l	
CN6804	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		D6806	8-719-911-19	DIODE 1SS119-25		
	1-695-915-11	TAB (CONTACT)		D6807	8-719-109-68	DIODE RD3.6ESB	1	
C110000	1 0/3 /13 11	nd (conner)						
CNICOLO	1 705 070 11	CONNECTOR ONE TOLICH		D6808	8-719-914-43	DIODE DAN202K		
	1-785-879-11	CONNECTOR, ONE TOUCH						
CN6811*	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D6809	8-719-908-03	DIODE GP08D		
CN6812*	1-508-784-21	PIN, CONNECTOR (5MM PITCH) 1P		D6812	8-719-110-39	DIODE RD15ESB	l	
				D6813	8-719-302-43	DIODE EL1Z		
				D6814	8-719-018-82	DIODE RGP02-201	EL-6394	
		<diode></diode>						
		(DIODE)		D6816	8-719-510-73	DIODE S3L20UF4		
D ((0 1	0.710.011.10	DIODE 100110 25		D6817	8-719-510-73	DIODE S3L20UF4		
D6601	8-719-911-19	DIODE 1SS119-25						
D6602	8-719-073-01	DIODE MA111-(K8).S0		D6820	8-719-970-87	DIODE ERA38-06		
D6603	8-719-073-01	DIODE MA111-(K8).S0		D6821	8-719-970-87	DIODE ERA38-06		
D6604	8-719-073-01	DIODE MA111-(K8).S0		D6822	8-719-067-18	DIODE RN4Z		
D6605	8-719-510-53	DIODE D4SB60L						
20005	5 /1/ 510 55	DIODE D IODOOL		D6823	8-719-911-19	DIODE 1SS119-25		
D6606	9 710 072 01	DIODE MA111 (V9) 90		D6824	8-719-510-73	DIODE S3L20UF4		
D6606	8-719-073-01	DIODE MA111-(K8).S0						
D6607	8-719-073-01	DIODE MA111-(K8).S0		D6825	8-719-914-43	DIODE DAN202K		
D6608	8-719-073-01	DIODE MA111-(K8).S0		D6826	8-719-911-19	DIODE 1SS119-25		
D6609	8-719-911-19	DIODE 1SS119-25						
D6610	8-719-073-01	DIODE MA111-(K8).S0						
20010	0 /1/ 0/0 01	21022 111111 (110)150				<ferrite bead:<="" td=""><td>></td><td></td></ferrite>	>	
D6611	8-719-073-01	DIODE MA111-(K8).S0						
		` /		FB6602	1-239-358-21	FILTER, NOISE		
D6611	8-719-988-61	DIODE 1SS355TE-17						
D6612	8-719-911-55	DIODE U05G		FB6603	1-239-358-21	FILTER, NOISE		
D6613	8-719-911-55	DIODE U05G						
D6614	8-719-110-30	DIODE RD12ESB1						
						<ic></ic>		
D6615	8-719-911-19	DIODE 1SS119-25						
				IC6601	8-759-198-31	IC UPC1093J-1-T		
D6616	8-719-911-55	DIODE U05G						
D6617	8-719-911-55	DIODE U05G		IC6602	8-759-103-93	IC UPC393C		
D6618	8-719-073-01	DIODE MA111-(K8).S0		IC6603	8-749-016-66	IC MCR5152		
D6619	8-719-110-30	DIODE RD12ESB1		IC6604	8-759-468-89	IC TOP209P		
				IC6606	8-759-450-47	IC BA05T		
D6621	8-719-075-73	DIODE 10ELS2N-TB5						
D6622	8-719-979-64	DIODE UF4005PKG23		IC6607	8-749-012-13	IC DM-58		
				IC6608	8-759-103-93	IC UPC393C		
D6623	8-719-059-23	DIODE P6KE200AG23		IC6800	8-759-192-71	IC STV9379		
D6624	8-719-077-66	DIODE 11EQSO3LN-TA1B2						
D6625	8-719-110-36	DIODE RD13ESB2		IC6801	8-759-450-95	IC LM393N		
				IC6804	8-759-394-36	IC BA09T		
D6626	8-719-979-64	DIODE UF4005PKG23						
D6628	8-719-075-73	DIODE 10ELS2N-TB5		IC6805	8-759-394-35	IC BA12T		
D6631	8-719-050-18	DIODE D4SBL20U		IC6806	8-749-013-76	IC PO6RD83B		
D6632								
	8-719-073-01	DIODE MA111-(K8).S0						
D6633	8-719-510-12	DIODE D10SC4M				CHID CONDITION	YODs	
						<chip conduct<="" td=""><td>UK></td><td></td></chip>	UK>	
D6634	8-719-060-88	DIODE D4SBS6						
D6635	8-719-110-47	DIODE RD18ESB		JR6601	1-216-295-91	SHORT	0	
D6636	8-719-911-19	DIODE 1SS119-25		JR6603	1-216-295-91	SHORT	0	
D6639	8-719-075-73	DIODE 10ELS2N-TB5		JR6604	1-216-296-91	SHORT	0	
				JR6605	1-216-296-91	SHORT	0	
D6640	8-719-110-72	DIODE RD30ESB2		JR6606	1-216-296-91	SHORT	0	
				11/00/00	1-210-290-91	SHOKI	U	
D6641	8-719-109-96	DIODE RD6.8ESB1						
D6642	8-719-911-19	DIODE 1SS119-25		JR6607	1-216-295-91	SHORT	0	
D6643	8-719-979-64	DIODE UF4005PKG23		JR6608	1-216-296-91	SHORT	0	
D6644	8-719-052-92	DIODE D10SBS4F		JR6609	1-216-295-91	SHORT	0	
				JR6610	1-216-296-91	SHORT	0	
D6648	8-719-110-30	DIODE RD12ESB1		JR6611	1-216-295-91	SHORT	0	
				110011	1-210-293-91	PUOLI	U	
D6649	8-719-073-01	DIODE MA111-(K8).S0		TD <000		arronm.		
D6650	8-719-911-19	DIODE 1SS119-25		JR6802	1-216-296-91	SHORT	0	
D6651	8-719-977-95	DIODE DTZ-TT11-2.4B		JR6803	1-216-295-91	SHORT	0	
D6652	8-719-110-47	DIODE RD18ESB		JR6810	1-216-295-91	SHORT	0	
D6800	8-719-110-03	DIODE RD7.5ESB2						
20000	5 ,17 110-03	DIGDE RD I GEODE						



REF. N	O. PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION			REMA	.RK
		<coil></coil>			O6805	8-729-140-96	TRANSISTOR 2S	D774 34			
		<coil></coil>			•						
T CC01	1 410 505 21	DIDLICTOR	101111		Q6806	8-729-140-96	TRANSISTOR 2S				
L6601	1-412-525-31	INDUCTOR	10UH		Q6807	8-729-046-18	TRANSISTOR 2S				
L6602	1-410-397-21	FERRITE	1.1UH		Q6808	8-729-046-18	TRANSISTOR 2S		0		
L6603	1-410-397-21	FERRITE	1.1UH		Q6809	8-729-038-83	TRANSISTOR 2S	6K2251-01-F19)		
L6604	1-412-525-31	INDUCTOR	10UH		0.6040	0.500.045.50	TRANSPORT IN				
L6605	1-412-525-31	INDUCTOR	10UH		Q6810	8-729-047-60	TRANSISTOR IR				
					Q6811	1-801-806-11	TRANSISTOR D		146		
L6606	1-412-525-31	INDUCTOR	10UH		Q6812	8-729-043-95	TRANSISTOR 2S				
L6607	1-412-519-11	INDUCTOR	3.3UH		Q6813	8-729-422-33	TRANSISTOR 2S				
L6800	1-412-525-31	INDUCTOR	10UH		Q6814	8-729-026-49	TRANSISTOR 2S	SA1037AK-T1	46-R		
L6801	1-406-675-11	INDUCTOR	4.7MMH								
L6802	1-416-775-21	INDUCTOR	1MMH		Q6815	8-729-045-65	TRANSISTOR 2S	SA1776TV2Q			
					Q6816	8-729-140-96	TRANSISTOR 2S	SD774-34			
L6803	1-406-982-11	INDUCTOR	680UH		Q6817	8-729-422-33	TRANSISTOR 2S	D601A-Q-TX			
L6804	1-412-519-11	INDUCTOR	3.3UH		Q6818	1-801-806-11	TRANSISTOR D	TC144EKA-T	146		
L6805	1-412-519-11	INDUCTOR	3.3UH		Q6819	1-801-806-11	TRANSISTOR D'	TC144EKA-T	146		
L6806	1-412-519-11	INDUCTOR	3.3UH		•						
L6807	1-412-552-11	INDUCTOR	2.2MMH		O6820	8-729-422-33	TRANSISTOR 2S	D601A-O-TX			
					Q6821	8-729-026-49	TRANSISTOR 2S				
L6808	1-406-674-11	INDUCTOR	3.3MMH		Q6822	8-729-026-49	TRANSISTOR 2S				
Loodo	1 100 07 1 11	nabeeron	3.314114111		Q6823	8-729-422-33	TRANSISTOR 28				
					Q0023	0 72) 422 33	TRANSISTOR 20	Doom Q m			
		<neon lamp=""></neon>									
		(NEON EANI)					<resistor></resistor>				
NI 660	1 1-576-429-11	GAP, SPARK					<resistor></resistor>				
NLOOU	1 1-3/0-429-11	UAF, SFAKK			D6500	1-220-797-11	CEMENTED	0.47	50/	10W	Е
					R6500		CEMENTED		5%	10W	Г
		DIJOTO GOLIDI	ED.		R6600	1-216-295-91	SHORT	0	50/	1 /4557	
		<photo coupli<="" td=""><td>ER></td><td></td><td>R6602</td><td>1-247-831-91</td><td>CARBON</td><td>1K</td><td>5%</td><td>1/4W</td><td></td></photo>	ER>		R6602	1-247-831-91	CARBON	1K	5%	1/4W	
					R6603	1-208-806-11	METAL CHIP	10K		1/10W	
PH660		PHOTO COUPLE			R6604	1-208-806-11	METAL CHIP	10K	0.50%	1/10W	
PH660		PHOTO COUPLE									
PH6602		PHOTO COUPLE			R6605	1-215-471-00	METAL	120K	1%	1/4W	
PH6602	2 8-749-924-35	PHOTO COUPLE	R ON3171-R		R6606	1-215-466-00	METAL	75K	1%	1/4W	
					R6607	1-215-489-00	METAL	680K	1%	1/4W	
					R6608	1-215-489-00	METAL	680K	1%	1/4W	
		<ic link=""></ic>			R6609	1-215-489-00	METAL	680K	1%	1/4W	
PS6605		LINK, IC			R6610	1-208-830-11	METAL CHIP	100K	0.50%	1/10W	
PS6606	1-533-597-41	LINK, IC			R6611	1-208-798-11	METAL CHIP	4.7K	0.50%	1/10W	
PS6607	1-533-597-41	LINK, IC			R6612	1-215-471-00	METAL	120K	1%	1/4W	
PS6801	1-532-841-21	LINK, IC			R6613	1-215-489-00	METAL	680K	1%	1/4W	
					R6614	1-215-489-00	METAL	680K	1%	1/4W	
		<transistor></transistor>			R6615	1-215-489-00	METAL	680K	1%	1/4W	
		-			R6616	1-208-830-11	METAL CHIP	100K		1/10W	
Q6601	8-729-119-78	TRANSISTOR 2S	C2785-HFE		R6617	1-208-844-11	METAL CHIP	390K		1/10W	
Q6602	8-729-119-78	TRANSISTOR 2S			R6618	1-215-466-00	METAL	75K	1%	1/4W	
Q6603	8-729-119-76	TRANSISTOR 2S			R6619	1-216-113-00	RES,CHIP	470K	5%	1/10W	
Q6604	8-729-119-76	TRANSISTOR 2S				0	,-	.			
Q6605	8-729-230-49	TRANSISTOR 2S			R6620	1-208-846-11	METAL CHIP	470K	0.50%	1/10W	
20002	5 , 2 / 230 T/	11			R6621	1-216-073-00	RES,CHIP	10K	5%	1/10W	
Q6606	8-729-140-93	TRANSISTOR 2S	R733_34		R6622	1-220-797-11	CEMENTED	0.47	5%	10W	
Q6608	8-729-200-21	TRANSISTOR 2S			R6623	1-215-457-00	METAL	33K	1%	1/4W	1
Q6609	8-729-029-56	TRANSISTOR 23			R6624	1-208-830-11	METAL CHIP	100K		1/10W	
-		TRANSISTOR DI			K0024	1-200-030-11	METAL CHIP	100K	0.30%	1/10 W	
Q6610	8-729-119-78				D.C.05	1 200 026 11	METAL CHID	COIZ	0.500/	1/10337	
Q6611	8-729-029-66	TRANSISTOR DT	C114E5A		R6625	1-208-826-11	METAL CHIP	68K		1/10W	
06610	0 700 000 66	TD A MOTOTOD DO	C114EC 4		R6626	1-208-830-11	METAL CHIP	100K		1/10W	
Q6612	8-729-029-66	TRANSISTOR DT			R6627	1-208-834-11	METAL CHIP	150K		1/10W	
Q6613	8-729-030-02	TRANSISTOR DT			R6628	1-216-073-00	RES,CHIP	10K	5%	1/10W	
Q6614	8-729-119-76	TRANSISTOR 2S.			R6629	1-215-466-00	METAL	75K	1%	1/4W	
Q6615	8-729-900-53	TRANSISTOR DT									
Q6616	8-729-029-66	TRANSISTOR DT	C114ESA		R6630	1-215-489-00	METAL	680K	1%	1/4W	
					R6631	1-215-489-00	METAL	680K	1%	1/4W	
Q6800	8-729-422-33	TRANSISTOR 2S	•		R6632	1-215-489-00	METAL	680K	1%	1/4W	
Q6801	8-729-039-68	TRANSISTOR IR	F620		R6633	1-215-458-00	METAL	36K	1%	1/4W	
Q6802	8-729-046-33	TRANSISTOR IR	F720-LF49		R6634	1-215-489-00	METAL	680K	1%	1/4W	
Q6803	8-729-119-76	TRANSISTOR 2S	A1175-HFE								
Q6804	8-729-119-78	TRANSISTOR 2S	C2785-HFE	ı							



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R6635	1-215-489-00	METAL	680K	1%	1/4W	R6703	1-216-091-00	RES,CHIP	56K	5%	1/10W
		METAL	680K		1/4W	R6703	1-249-377-11	CARBON	0.47	5%	1/4W
R6636	1-215-489-00			1%							
R6637	1-215-463-00	METAL	56K	1%	1/4W	R6707	1-249-421-11	CARBON	2.2K	5%	1/4W
R6638	1-240-876-11	CEMENTED	1	5%	15W	R6710	1-217-158-00	METAL	0.47	10%	5W
R6639	1-240-876-11	CEMENTED	1	5%	15W	R6711	1-215-471-00	METAL	120K	1%	1/4W
R6640	1-216-081-00	RES,CHIP	22K	5%	1/10W	R6712	1-215-451-00	METAL	18K	1%	1/4W
R6641	1-260-131-11	CARBON	470K	5%	1/2W	R6713	1-249-423-91	CARBON	3.3K		
R6642	1-260-131-11	CARBON	470K	5%	1/2W	R6800	1-249-429-11	CARBON	10K	5%	1/4W
R6643	1-216-081-00	RES,CHIP	22K	5%	1/10W	R6801	1-249-429-11	CARBON	10K	5%	1/4W
R6644	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R6802	1-249-429-11	CARBON	10K	5%	1/4W
R6645	1-202-933-61	FUSIBLE	0.1	10%	1/2W	R6803	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6646	1-216-073-00	RES,CHIP	10K	5%	1/10W	R6804	1-208-795-11	METAL CHIP	3.6K	0.50%	1/10W
R6647	1-215-864-00	METAL OXIDE	150	5%	1W	R6805	1-215-441-00	METAL	6.8K	1%	1/4W
R6648	1-215-481-00	METAL	330K	1%	1/4W	R6806	1-215-434-00	METAL	3.6K	1%	1/4W
R6649	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R6807	1-249-383-11	CARBON	1.5	5%	1/4W
K0047	1 210 003 71	RES,CIII		370	1/10 **	Rooo	1 247 303 11	CHEDOIT	1.5	370	1/4**
R6650	1-215-481-00	METAL	330K	1%	1/4W	R6810	1-214-798-21	METAL	1.8	1%	1/2W
R6651	1-215-430-00	METAL	2.4K	1%	1/4W	R6811	1-215-913-11	METAL OXIDE	220	5%	3W
R6652	1-215-450-00	METAL	16K	1%	1/4W	R6812	1-247-843-11	CARBON	3.3K	5%	1/4W
R6653	1-219-776-11	CARBON	2.2M	10%	1/2W	R6813	1-214-798-21	METAL	1.8	1%	1/2W
R6654	1-216-089-91	RES,CHIP	47K	5%	1/10W	R6814	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6655	1-216-073-00	RES,CHIP	10K	5%	1/10W	R6815	1-208-801-11	METAL CHIP	6.2K		1/10W
R6656	1-215-481-00	METAL	330K	1%	1/4W	R6816	1-214-915-00	METAL	120K	1%	1/2W
R6657	1-247-791-91	CARBON	22	5%	1/4W	R6818	1-215-485-00	METAL	470K	1%	1/4W
R6658	1-216-073-00	RES,CHIP	10K	5%	1/10W	R6819	1-249-421-11	CARBON	2.2K	5%	1/4W
R6659	1-216-073-00	RES,CHIP	10K	5%	1/10W	R6820	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R6660	1-249-389-11	CARBON	4.7	5%	1/4W	R6822	1-216-461-00	METAL OXIDE	5.6K	5%	2W
R6661	1-215-421-00	METAL	1K	1%	1/4W	R6823	1-215-895-11	METAL OXIDE	3.3K	5%	2W
R6662	1-216-381-11	METAL OXIDE	0.22	5%	3W	R6824	1-249-411-11	CARBON	330	5%	1/4W
R6663	1-216-381-11	METAL OXIDE	0.22	5%	3W	R6825	1-249-411-11	CARBON	330	5%	1/4W
R6665	1-219-776-11	CARBON	2.2M	10%	1/2W	R6826	1-215-894-11	METAL OXIDE	2.2K	5%	2W
Dece	1 200 702 11	METAL CHID	1K	0.500/	1/10W	D C 0 2 7	1 217 450 00	METAL OVIDE	2.7K	£0/	2W
R6666	1-208-782-11 1-249-413-11	METAL CHIP				R6827	1-216-459-00	METAL OXIDE CARBON		5%	
R6667		CARBON	470	5%	1/4W	R6828	1-247-831-91		1K	5%	1/4W
R6668	1-216-017-91	RES,CHIP	47	5%	1/10W	R6829	1-247-831-91	CARBON	1K	5%	1/4W
R6669	1-247-831-91	CARBON	1K	5%	1/4W	R6830	1-247-764-11	CARBON	10K	5%	1/2W
R6672	1-249-421-11	CARBON	2.2K	5%	1/4W	R6831	1-247-764-11	CARBON	10K	5%	1/2W
R6674	1-247-815-91	CARBON	220	5%	1/4W	R6832	1-215-477-00	METAL	220K	1%	1/4W
R6679	1-249-437-11	CARBON	47K	5%	1/4W	R6833	1-215-493-00	METAL	1M	1%	1/4W
R6680	1-216-362-11	METAL OXIDE	0.27	5%	2W	R6834	1-216-381-11	METAL OXIDE	0.22	5%	3W
R6681	1-249-429-11	CARBON	10K	5%	1/4W	R6835	1-216-381-11	METAL OXIDE	0.22	5%	3W
R6682	1-249-416-11	CARBON	820	5%	1/4W	R6836	1-215-905-11	METAL OXIDE	10	5%	3W
R6683	1-260-127-11	CARBON	220K	5%	1/2W	R6837	1-215-905-11	METAL OXIDE	10	5%	3W
R6685	1-249-421-11	CARBON	2.2K	5%	1/4W	R6838	1-215-461-00	METAL	47K	1%	1/4W
	1-218-265-11	METAL	8.2M	5%	1W	R6839	1-249-405-11	CARBON	100	5%	1/4W
	1-249-417-11				1/4W	R6841	1-216-434-11	METAL OXIDE	1.8K	5%	1W
R6688		CARBON	1K 4.7	5%		R6842	1-215-923-00	METAL OXIDE	10K	5%	3W
R6689	1-249-389-11	CARBON	4.7	5%	1/4W	R0042	1 213 723 00	WIET HE ONIDE	TOIL	570	311
R6690	1-249-429-11	CARBON	10K	5%	1/4W	R6843	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6691	1-260-131-11	CARBON	470K	5%	1/2W	R6844	1-247-807-31	CARBON	100	5%	1/4W
R6692	1-249-410-11	CARBON	270	5%	1/4W	R6845	1-208-824-11	METAL CHIP	56K		1/10W
R6693	1-215-451-00	METAL	18K	1%	1/4W	R6846	1-260-127-11	CARBON	220K	5%	1/2W
R6694	1-215-471-00	METAL	120K	1%	1/4W	R6847	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6696	1-215-925-11	METAL OXIDE	22K	5%	3W	R6848	1-216-101-00	RES,CHIP	150K	5%	1/10W
R6697	1-249-429-11	CARBON	10K	5%	1/4W	R6849	1-249-443-11	CARBON	0.47	5%	1/4W
R6698	1-249-429-11	CARBON	10K 1K	5%	1/4W	R6850	1-249-443-11	CARBON	0.47	5%	1/4W
		RES,CHIP				R6851	1-260-288-11	CARBON	0.47	5%	1/2W
R6701	1-216-073-00		10K	5% 5%	1/10W	R6852	1-216-345-11	METAL OXIDE	0.47	5%	1/2 vv 1W
R6702	1-216-093-91	RES,CHIP	68K	5%	1/10W	10032	1 210-J 1 J-11	METAL ONDE	0.77	5/0	4 11

KV-ES34M31/ES34M61/ES34M80/ES34M90 RM-916



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
D 6052	1 260 200 11	CADDON	0.47	50/	1/287						
R6853	1-260-288-11	CARBON	0.47	5%	1/2W			DEL AV			
R6854	1-215-923-00	METAL OXIDE	10K	5%	3W			<relay></relay>			
R6855	1-214-898-81	METAL	24K	1%	1/2W						
R6856	1-215-923-00	METAL OXIDE	10K	5%	3W	RY6601	1-515-840-12	RELAY			
R6857	1-215-923-00	METAL OXIDE	10K	5%	3W	RY6602∆	1-755-357-11	RELAY, AC POWE	ER		
D <0.50	1 21 4 000 01) (ECA)	0.417	10/	1 /0117	RY6603	1-755-357-11	RELAY, AC POWE	ER		
R6858	1-214-898-81	METAL	24K	1%	1/2W			,			
R6859	1-215-871-11	METAL OXIDE	2.2K	5%	1W						
R6860	1-215-923-00	METAL OXIDE	10K	5%	3W			<transformer< td=""><td>· _</td><td></td><td></td></transformer<>	· _		
R6861	1-216-295-91	SHORT	0					VIII II ISI ORMEI			
R6862	1-216-081-00	RES,CHIP	22K	5%	1/10W	TCC01 A	1 421 722 12	TD ANGEODMED	CONVERTE	D (CDT)	
							1-431-732-12	TRANSFORMER,			
R6863	1-215-894-11	METAL OXIDE	2.2K	5%	2W		1-435-081-11	TRANSFORMER,		R (PIT)	
R6864	1-216-081-00	RES,CHIP	22K	5%	1/10W	T6800	1-429-741-11	TRANSFORMER,	DRIVE		
R6865	1-216-101-00	RES,CHIP	150K	5%	1/10W	T6801	1-433-934-11	TRANSFORMER,	FERRITE (D	FT)	
R6866	1-215-431-00	METAL	2.7K	1%	1/4W	T6802	1-433-489-11	TRANSFORMER,	FERRITE (H	DT)	
R6867	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
110007	1 210 000 71	TLLO,CIIII	, 11	270	1,10	T6803 A	1-453-326-11	FBT ASSY (NX-46	501//1114)		
R6868	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	T6804	1-433-489-11	TRANSFORMER,		DT)	
R6869	1-216-113-00	RES,CHIP	4.7K 470K	5%	1/10W 1/10W	10004	1 7 <i>33</i> - 7 0 <i>7</i> -11	TIVE TOLORIVIER,	· PIMITE (II	D1)	
R6870	1-216-113-00	RES,CHIP	2.2K	5%	1/10W 1/10W						
								ТПЕРУИСТОР			
R6871	1-208-822-11	METAL CHIP	47K		1/10W			<thermistor></thermistor>			
R6872	1-260-125-11	CARBON	150K	5%	1/2W	TDI I C CO 1	1 002 540 11	THED MOTOR			
D 6050	1 200 127 1:	CARRON	15075	501	1 /0117		1-803-540-11	THERMISTOR	T.C.		
R6873	1-260-125-11	CARBON	150K	5%	1/2W	TH6603	1-803-586-11	THERMISTOR, N	IC		
R6875	1-247-831-91	CARBON	1K	5%	1/4W						
R6876	1-260-288-11	CARBON	0.47	5%	1/2W						
R6877	1-208-790-11	METAL CHIP	2.2K		1/10W			<varistor></varistor>			
R6878	1-208-770-11	METAL CHIP	330	0.50%	1/10W						
						VD6601	1-803-614-11	VARISTOR			
R6879	1-216-105-91	RES,CHIP	220K	5%	1/10W						
R6880	1-215-441-00	METAL	6.8K	1%	1/4W						
R6881	1-215-433-00	METAL	3.3K	1%	1/4W						
R6882	1-215-445-00	METAL	10K	1%	1/4W	******	******	******	*****	*****	******
R6883	1-208-806-11	METAL CHIP	10K	0.50%	1/10W						
						*	A-1343-777-A	D1 BOARD MOU	NTED		
R6884	1-249-441-11	CARBON	100K	5%	1/4W			******			
R6885	1-208-798-11	METAL CHIP	4.7K		1/10W						
R6886	1-208-798-11	METAL CHIP	4.7K		1/10W		4-027-606-01	HEAT SINK (TO-2	20 TVPF)		
R6887	1-216-081-00	RES,CHIP	22K	5%	1/10W		4-382-854-11	SCREW (M3X10),			
R6888	1-216-089-91	RES,CHIP	47K	5%	1/10W		4-302-034-11	SCREW (WISKID),	1,5 (1)		
KUOOO	1-210-009-91	KE5,CIII	4/K	370	1/10 **						
D 6000	1 260 125 11	CADDON	150V	50/	1/2337			<capacitor></capacitor>			
R6889 R6890	1-260-125-11 1-260-125-11	CARBON CARBON	150K 150K	5% 5%	1/2W 1/2W			CALACITUR>			
						06101	1 107 714 11	ELECT	10ME	200/	50V
R6891	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	C6101	1-107-714-11	ELECT	10MF	20%	50V
R6892	1-216-097-91	RES,CHIP	100K	5%	1/10W	C6102	1-109-953-11	ELECT	2.2MF	20%	50V
R6893	1-216-085-00	RES,CHIP	33K	5%	1/10W	C6103	1-107-714-11	ELECT	10MF	20%	50V
						C6104	1-126-965-11	ELECT	22MF	20%	50V
R6894	1-260-133-11	CARBON	680K	5%	1/2W	C6105	1-104-665-11	ELECT	100MF	20%	25V
R6895	1-216-097-91	RES,CHIP	100K	5%	1/10W						
R6896	1-216-089-91	RES,CHIP	47K	5%	1/10W	C6106	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
R6897	1-216-097-91	RES,CHIP	100K	5%	1/10W	C6108	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R6899	1-216-073-00	RES,CHIP	10K	5%	1/10W	C6109	1-126-967-11	ELECT	47MF	20%	50V
						C6112	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
R6900	1-208-810-11	METAL CHIP	15K	0.50%	1/10W	C6113	1-137-493-11	FILM	0.0047MF	5%	630V
R6901	1-208-810-11	METAL CHIP	15K		1/10W						
R6902	1-249-441-11	CARBON	100K	5%	1/4W	C6114	1-107-909-11	ELECT	47MF	20%	50V
R6903	1-215-923-00	METAL OXIDE	10K	5%	3W	C6115	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
R6905	1-249-389-11	CARBON	4.7	5%	1/4W	C6116	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
210700	- 2., 50, 11			2,0		C6117	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
R6906	1-216-079-00	RES,CHIP	18K	5%	1/10W	C6118	1-103-273-11	ELECT	47MF	20%	16V
R6907	1-216-079-00	RES,CHIP	18K	5%	1/10W 1/10W	C0110	1-10/-707-11	LLLC I	4/1/II.	∠U /0	10 4
K0907	1-210-0/7-00	KLO,CHIF	101	J 70	1/10 44	C6120	1 162 900 11	CED AMIC CITIE	0.047840	100/	251/
						C6120	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
						C6121	1-126-963-11	ELECT	4.7MF	20%	50V
						C6122	1-126-967-11	ELECT CERAMIC CHIR	47MF	20%	50V
						C6123	1-163-021-91	CERAMIC CHIP	0.01MF	5%	50V
						C6124	1-163-021-91	CERAMIC CHIP	0.01MF	5%	50V



REF. N	D. PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION		REMARK
C6125	1-104-664-11	ELECT	47MF	20%	16V	D6110	8-719-987-87	DIODE ERA85-00)9	
C6127	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	D6133	8-719-911-19	DIODE 1SS119-25		
C6128	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	D6134	8-719-911-19	DIODE 1SS119-25		
C6129	1-126-964-11	ELECT	10MF	20%	50V					
C6131	1-126-964-11	ELECT	10MF	20%	50V	D6201	8-719-109-88	DIODE RD5.6ESE	31	
						D6210	8-719-109-88	DIODE RD5.6ESE		
C6133	1-137-194-81	MYLAR	0.47MF	5%	50V	D6350	8-719-914-43	DIODE DAN202K		
C6136	1-129-716-00	FILM	0.015MF	5%	630V	D6351	8-719-914-43	DIODE DAN202K		
C6138	1-126-968-11	ELECT	100MF	20%	50V	D6355	8-719-914-43	DIODE DAN202K	<u>.</u>	
C6139	1-107-902-11	ELECT	1MF	20%	50V	D6404	9 710 014 42	DIODE DAMOON		
C6140	1-126-960-11	ELECT	1MF	20%	50V	D6404	8-719-914-43	DIODE DAN202K	•	
C6201	1-126-967-11	ELECT	47MF	20%	50V					
C6202	1-126-967-11	ELECT	47MF	20%	50V			<ic></ic>		
C6203	1-126-967-11	ELECT	47MF	20%	50V			40,		
C6204	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	IC6101	8-752-053-21	IC CXA1211M		
C6205	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	IC6102	8-759-450-95	IC LM393N		
						IC6103	8-759-450-95	IC LM393N		
C6206	1-126-964-11	ELECT	10MF	20%	50V	IC6104	8-759-803-42	IC LA6500-FA		
C6207	1-126-967-11	ELECT	47MF	20%	50V	IC6105	8-759-450-95	IC LM393N		
C6208	1-126-967-11	ELECT	47MF	20%	50V					
C6209	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	IC6106	8-759-198-31	IC UPC1093J-1-T		
C6210	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	IC6108	8-759-567-08	IC MB88141APF-	ER	
0(011	1 126 064 11	EL EOT	101/15	200/	5017	IC6201	8-759-183-37	IC CA0007AD		
C6211 C6212	1-126-964-11 1-164-222-11	ELECT CERAMIC CHIP	10MF 0.22MF	20%	50V 25V	IC6202 IC6351	8-759-135-80 8-759-450-95	IC UPC358C IC LM393N		
C6350	1-164-004-11	CERAMIC CHIP	0.22MF 0.1MF	10%	25 V 25 V	100551	0-739-430-93	IC LIVIS93IN		
C6351	1-126-967-11	ELECT	47MF	20%	50V	IC6353	8-759-231-53	IC TA7805S		
C6353	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	IC6354	8-759-325-48	IC CA0005AD		
						IC6356	8-759-822-38	IC LA6510		
C6355	1-163-251-11	CERAMIC CHIP	100PF	5%	50V					
C6356	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V					
C6358	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V			<chip conduct<="" td=""><td>ΓOR></td><td></td></chip>	ΓOR>	
C6361	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V					
C6362	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	JR6101	1-216-296-91	SHORT	0	
0000	1 162 000 11	CED AMIC CUID	0.0473.45	100/	2511	JR6102	1-216-296-91	SHORT	0	
C6365 C6376	1-163-809-11 1-104-664-11	CERAMIC CHIP ELECT	0.047MF 47MF	10% 20%	25V 16V	JR6103 JR6104	1-216-296-91 1-216-295-91	SHORT SHORT	0	
C6377	1-104-004-11	ELECT	22MF	20%	25V	JR6105	1-216-295-91	SHORT	0	
C6378	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	JK0103	1-210-270-71	SHORI	U	
C6380	1-136-495-11	MYLAR	0.068MF	5%	50V	JR6106	1-216-296-91	SHORT	0	
						JR6107	1-216-296-91	SHORT	0	
C6381	1-126-964-11	ELECT	10MF	20%	50V	JR6108	1-216-296-91	SHORT	0	
C6385	1-104-664-11	ELECT	47MF	20%	25V	JR6109	1-216-296-91	SHORT	0	
C6386	1-104-664-11	ELECT	47MF	20%	25V	JR6110	1-216-296-91	SHORT	0	
C6388	1-126-964-11	ELECT	10MF	20%	50V					
C6392	1-104-664-11	ELECT	47MF	20%	25V	JR6111	1-216-296-91	SHORT	0	
C(400	1 126 062 11	ELECT	4.7ME	200/	5017	JR6112	1-216-296-91	SHORT	0	
C6409	1-126-963-11	ELECT	4.7MF	20%	50V	JR6113 JR6114	1-216-296-91 1-216-296-91	SHORT SHORT	0	
						JR6115	1-216-296-91	SHORT	0	
		<connector></connector>				JK0113	1-210-290-91	SHOKI	U	
CN6100	1-793-498-11	CONNECTOR, BO	OARD TO BO	ARD 50)P			<coil></coil>		
	* 1-564-525-11	PLUG, CONNECT			-					
	8* 1-564-518-11	PLUG, CONNECT				L6101	1-416-920-11	INDUCTOR	10MMH	
CN6104	* 1-564-523-11	PLUG, CONNECT	OR 8P			L6102	1-406-989-21	INDUCTOR	10MMH	
		<diode></diode>						<ic link=""></ic>		
D6101	8-719-510-02	DIODE D1NS4				PS6101	1-533-589-31	LINK, IC		
D6102	8-719-510-02	DIODE DINS4	TID							
D6103	8-719-063-73	DIODE 188110 25						TD A MOTOTOR		
D6104	8-719-911-19	DIODE ISS119-25						<transistor></transistor>		
D6105	8-719-109-60	DIODE RD2.7ESB	04			06102	8-729-046-33	TRANSISTOR IR	E720. I E40	
D6106	8-719-510-02	DIODE D1NS4				Q6103 Q6104	8-729-046-33 8-729-230-49	TRANSISTOR 18		
D6108	8-719-911-19	DIODE ISS119-25	i			Q6104 Q6105	8-729-230-49	TRANSISTOR 2S		
20100	0 ,1, ,11 1)	21022 100117-20	•			20103	5 127 230 A7	11011 1010 1 010 20	C2,12 10	



REF. NO	. PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
Q6106	8-729-026-49	TRANSISTOR 2SA	1037 AK T1	16 D		R6144	1-208-834-11	METAL CHIP	150K	0.50%	1/10W
Q6100 Q6107	8-729-140-93	TRANSISTOR 2SI		+0-K		R6145	1-208-795-11	METAL CHIP	3.6K		1/10W 1/10W
Q0107	8-729-140-93	TRANSISTOR 2SI	0/33-34								
0.6100	0.720.026.40	TD ANGIGTOD AG	1027 A IZ TT1	46 D		R6146	1-208-806-11	METAL CHIP	10K		1/10W
Q6108	8-729-026-49	TRANSISTOR 2SA		46-R		R6149	1-208-824-11	METAL CHIP	56K		1/10W
Q6118	8-729-230-49	TRANSISTOR 2SO				R6150	1-208-806-11	METAL CHIP	10 K	0.50%	1/10W
Q6124	8-729-422-33	TRANSISTOR 2SI	-								
Q6125	8-729-230-49	TRANSISTOR 2SO				R6151	1-216-049-91	RES,CHIP	1K	5%	1/10W
Q6126	8-729-026-49	TRANSISTOR 2SA	41037AK-T1	46-R		R6152	1-216-081-00	RES,CHIP	22K	5%	1/10W
						R6153	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q6128	8-729-230-49	TRANSISTOR 2SO	C2712-YG			R6154	1-208-810-11	METAL CHIP	15K	0.50%	1/10W
Q6201	8-729-230-49	TRANSISTOR 2SO				R6155	1-208-822-11	METAL CHIP	47K		1/10W
Q6202	8-729-230-49	TRANSISTOR 2SO									-,
Q6202	8-729-422-33	TRANSISTOR 2SI				R6156	1-216-077-91	RES,CHIP	15K	5%	1/10W
Q6350	8-729-230-49	TRANSISTOR 2SO				R6157	1-216-089-91	RES,CHIP	47K	5%	1/10W
Q0550	0-129-230-49	TRAINSISTOR 250	2/12-1U						39K		
0.005.6	0.720.220.40	TD AMERICAN ACC	20712 1/6			R6158	1-216-689-11	RES,CHIP		5%	1/10W
Q6356	8-729-230-49	TRANSISTOR 2SO				R6159	1-208-802-11	METAL CHIP	6.8K		1/10W
Q6405	8-729-026-49	TRANSISTOR 2SA		46-R		R6161	1-208-818-11	METAL CHIP	33K	0.50%	1/10W
Q6455	8-729-230-49	TRANSISTOR 2SO	C2712-YG								
						R6162	1-216-049-91	RES,CHIP	1K	5%	1/10W
		<resistor></resistor>				R6168	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
						R6169	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R6101	1-216-025-91	RES,CHIP	100	5%	1/10W	R6170	1-216-037-00	RES,CHIP	330	5%	1/10W
R6103	1-216-049-91	RES,CHIP	1K	5%	1/10W	R6171	1-216-113-00	RES,CHIP	470K	5%	1/10W
R6104	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	10171	1 210 113 00	пьо,сти	17011	570	1/10 11
R6105	1-208-798-11	METAL CHIP	4.7K		1/10W	R6172	1-216-105-91	RES,CHIP	220K	5%	1/10W
			4.7K 4.7K					RES,CHIP			
R6106	1-208-798-11	METAL CHIP	4./K	0.50%	1/10W	R6173	1-216-097-91	,	100K	5%	1/10W
						R6174	1-216-081-00	RES,CHIP	22K	5%	1/10W
R6107	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R6175	1-208-816-11	METAL CHIP	27K		1/10W
R6108	1-216-073-00	RES,CHIP	10K	5%	1/10W	R6176	1-249-389-11	CARBON	4.7	5%	1/4W
R6109	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R6110	1-216-295-91	SHORT	0			R6177	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R6112	1-208-824-11	METAL CHIP	56K	0.50%	1/10W	R6178	1-249-389-11	CARBON	4.7	5%	1/4W
						R6179	1-216-101-00	RES,CHIP	150K	5%	1/10W
R6113	1-216-089-91	RES,CHIP	47K	5%	1/10W	R6180	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6114	1-208-806-11	METAL CHIP	10K		1/10W	R6181	1-216-105-91	RES,CHIP	220K	5%	1/10W
R6115	1-208-814-91		22K		1/10W	Kuisi	1-210-103-91	KL5,CIII	220K	370	1/10 VV
		METAL CHIP				D 6100	1 216 057 00	DEG CIHD	2 217	50/	1 /1011
R6116	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R6190	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6117	1-208-782-11	METAL CHIP	1K	0.50%	1/10W	R6192	1-216-295-91	SHORT	0		
						R6195	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W
R6118	1-208-810-11	METAL CHIP	15K	0.50%	1/10W	R6196	1-249-377-11	CARBON	0.47	5%	1/4W
R6119	1-208-796-11	METAL CHIP	3.9K	0.50%	1/10W	R6200	1-208-824-11	METAL CHIP	56K	0.50%	1/10W
R6120	1-208-806-11	METAL CHIP	10K	0.50%	1/10W						
R6121	1-216-490-11	METAL OXIDE	39K	5%	3W	R6201	1-247-750-11	CARBON	680	5%	1/2W
R6122	1-216-295-91	SHORT	0			R6202	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
	, - , -	~	-			R6203	1-215-906-11	METAL OXIDE	15	5%	3W
R6123	1-208-782-11	METAL CHIP	1K	0.50%	1/10W	R6204	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
			12K		1/10W			RES,CHIP	2.2K 220		
R6124	1-208-808-11	METAL CHIP	2.2K			R6206	1-216-033-00	кьэ,спіг	44 U	5%	1/10W
R6125	1-216-057-00	RES,CHIP		5%	1/10W	D (207	1 200 704 11	METAL CHID	2 21/2	0.500	1/10337
R6126	1-208-798-11	METAL CHIP	4.7K		1/10W	R6207	1-208-794-11	METAL CHIP	3.3K		1/10W
R6127	1-208-832-11	METAL CHIP	120K	0.50%	1/10W	R6208	1-208-806-11	METAL CHIP	10K		1/10W
						R6209	1-216-099-00	RES,CHIP	120K	5%	1/10W
R6128	1-208-838-91	METAL CHIP	220K	0.50%	1/10W	R6210	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6129	1-216-353-00	METAL OXIDE	2.2	5%	1W	R6211	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6130	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R6131	1-208-804-11	METAL CHIP	8.2K		1/10W	R6212	1-216-057-00	RES.CHIP	2.2K	5%	1/10W
R6133	1-208-812-11	METAL CHIP	18K		1/10W	R6213	1-216-097-91	RES,CHIP	100K	5%	1/10W
10155	1 200 012 11	ME INE CITI	1011	0.5070	1/1011	R6215	1-216-089-91	RES,CHIP	47K	5%	1/10W
D6124	1-208-806-11	METAL CUID	10K	0.500/	1/10W/		1-216-065-91	RES,CHIP			
R6134		METAL CHIP			1/10W	R6216			4.7K	5%	1/10W
R6135	1-216-073-00	RES,CHIP	10K	5%	1/10W	R6217	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6136	1-260-099-11	CARBON	1K	5%	1/2W						
R6137	1-216-049-91	RES,CHIP	1K	5%	1/10W	R6218	1-208-836-11	METAL CHIP	180K		1/10W
R6138	1-208-798-11	METAL CHIP	4.7K	0.50%	1/10W	R6219	1-208-782-11	METAL CHIP	1K	0.50%	1/10W
						R6220	1-208-822-11	METAL CHIP	47K	0.50%	1/10W
R6139	1-208-797-11	METAL CHIP	4.3K	0.50%	1/10W	R6221	1-208-822-11	METAL CHIP	47K	0.50%	1/10W
R6140	1-216-077-91	RES,CHIP	15K	5%	1/10W	R6222	1-216-295-91	SHORT	0		
R6141	1-208-830-11	METAL CHIP	100K		1/10W			-	-		
R6142	1-208-806-11	METAL CHIP	100K		1/10W	R6223	1-216-295-91	SHORT	0		
R6143	1-208-800-11	METAL CHIP	5.6K		1/10W 1/10W	R6224	1-210-293-91	METAL CHIP	56K	0.500/	1/10W
K0143	1-200-000-11	MILIAL CHIF	J.UK	0.30%	1/10 **	K0224	1-200-024-11	METAL CHIF	JUK	0.30%	1/10 44





R0225 1288-824-11 METAL CHIP 20	REF. NO). PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	D6225	1 200 924 11	METAL CUID	56V	0.50%	1/10W/				
									CONNECTOR>	
							CN3801	1-695-915-11	TAB (CONTACT)	
R6252 -21-6017-90 R83-CHIP -21			,.						, ,	
					5%	1/10W	CN3803	1-695-915-11	TAB (CONTACT)	
Ref										
1			*						<diode></diode>	
R6559	K6350	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	D2005	9 710 011 10	DIODE 199110 26	5 (Event VV ES24M21)
Re559	R6357	1-216-057-00	RES CHIP	2 2K	5%	1/10W	D3603	0-/19-911-19	DIODE 133119-2.	3 (Except K v-E334W31)
R6560										
Rose 1-208-808-11 METAL CHIP 15K 0.50% 1/00W 1-208-8739 1-216-47500 METAL CHIP 15K 0.50% 1/10W 1-216-27591 SENSOR UNIT, McGNETIC (Except KV-ESSAM31) METAL CHIP 10K 0.50% 1/10W 1-216-27591 SENSOR UNIT, McGNETIC (Except KV-ESSAM31) METAL CHIP 10K 0.50% 1/10W 1-216-27591 METAL CHIP 10K 5%									<ic></ic>	
	R6361	1-216-097-91	RES,CHIP	100K	5%	1/10W				
Re586 1-208 1-20	R6367	1-208-808-11	METAL CHIP	12K	0.50%	1/10W				
R6378 1-216-94-100 RES.CHIP 470 58 14W 1-246-245-10 R6378 1-216-295-91 SHORT 0 0 0 0 0 0 0 0 0							IC3807	1-418-597-11	SENSOR UNIT, M	AGNETIC (Except KV-ES34M31)
R6379										
R6358 1-216-295-91 SHORT O									AIEON LAMB	
R-582 1-208-830-14 METAL CHIP 00K 0.50% 1/0W 0.50%					1 %	1/4 W			<neon lawip=""></neon>	
R6388 1-216-295-91 SHORT 0					0.50%	1/10W	NL3801	1-576-414-21	GAP. SPARK	
	110002	1 200 000 11		10011	0.0070	1/10//	1120001	10,0 .1.21	0.11, 0.1.11.11	
R6394 1-216-049-04	R6385	1-216-295-91	SHORT	0						
R-614 1-20-8-08-0-1 METAL CHIP 10K 0.50% 1/10W 0.3807 8-729-030-02 TRANSISTOR DTC14HESA (Except KV-ES34M31) 0.3806 8-729-119-78 TRANSISTOR 2SC2785-HFE (Except KV-ES34M31) 0.3806 0.38	R6386	1-208-830-11	METAL CHIP	100K	0.50%	1/10W			<transistor></transistor>	
R-2018 1-208-806-11 METAL CHIP 10K 0.50% 1/10W 0.3808 8-729-1030-12 TRANSISTOR DTC14HESA (Except KV-ES34M31) R-2018 R-2019			*							
R6416 1-208-808-11										` 1
R6416 1-208-808-11	R6413	1-208-806-11	METAL CHIP	10 K	0.50%	1/10W				
R6419 1-216-017-01 RES.CHIP 100K 5% 1/10W R6420 1-216-111-01 RES.CHIP 300K 5% 1/10W R6331 1-216-111-01 RES.CHIP 300K 5% 1/10W R6331 1-216-017-01 RES.CHIP 100K 5% 1/10W R6433 1-216-097-01 RES.CHIP 100K 5% 1/10W R6438 1-216-057-00 RES.CHIP 2.2K 5% 1/10W R6456 1-216-097-01 RES.CHIP 2.2K 5% 1/10W R6457 1-208-820-11 METAL CHIP 30K 0.50W 1/10W R6458 1-216-089-01 RES.CHIP 2.2K 5% 1/10W R6459 1-216-057-00 RES.CHIP 2.2K 2	D6/116	1 200 000 11	METAL CUID	12V	0.50%	1/10W/				· •
R6420										
R6433 1-216-011-00 RES,CHIP 390K 5% 1/10W 788-011-07 R6433 1-216-087-90 RES,CHIP 100K 5% 1/10W R6436 1-216-087-90 RES,CHIP 2.2K 5% 1/10W R6456 1-216-097-90 RES,CHIP 2.2K 5% 1/10W R6456 1-216-089-91 RES,CHIP 30K 0.50% 1/10W R6457 1-206-882-91 METAL CHIP 30K 0.50% 1/10W R6458 1-216-087-90 RES,CHIP 47K 5% 1/10W R3803 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R6459 1-216-087-90 RES,CHIP 2.2K 5% 1/10W R3803 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3805 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3807 1-215-444-00 METAL 470K 1/9 1/4W (Except KV-ES34M31) R3807 1-215-444-00 METAL 470K 1/9 1/4W (Except KV-ES34M31) R3807 1-215-443-800 METAL 470K 1/9 1/4W (Except KV-ES34M31) R3807 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3807 1-249-417-11 CARBON 1/9 1/4W (Except KV-ES34M31) R3808 1-247-883-00 CARBON 1/9 1/4W (Except KV-ES34M31) R3808 1-247-883-00 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3810 1-249-425-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3810 1-249-425-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) R3810 1-249-425-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) R3811 1-219-510-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) (Except KV-ES34M31)							Q3011	0 727 117 70	TRANSISTOR 25	C2703 III L (Except IX v E534IVI31)
R6438 1-215-437-00 METAL							Q3812	8-729-119-78	TRANSISTOR 2S	C2785-HFE (Except KV-ES34M31)
R6456 1-216-097-09 RES,CHIP 2.2K 5% 1/10W R3802 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) (Exc	R6433	1-216-097-91	RES,CHIP	100K	5%	1/10W				
R6456 1-216-097-09 RES,CHIP 2.2K 5% 1/10W R3802 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) (Exc										
Re456 1-216-09-91 RES.CHIP 100K 5% 1/10W R3802 1-249-417-11 CARBON 1K 5% 1/4W (Except KV-ES34M31) R6458 1-216-089-91 RES.CHIP 47K 5% 1/10W R3803 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3805 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3805 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3807 1-215-444-00 METAL ME									<resistor></resistor>	
Re457 1-208-820-11 METAL CHIP 39K 0.50% 1/10W R3803 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R4659 1-216-057-00 RES,CHIP 2.2K 5% 1/10W R3803 1-249-417-11 CARBON METAL 9.1K 1% 1/4W (Except KV-ES34M31) R3805 1-249-417-11 CARBON HK 5% 1/4W (Except KV-ES34M31) R3807 1-215-413-00 METAL 470K 1% 1/4W (Except KV-ES34M31) R3807 1-215-413-00 METAL 470K 1% 1/4W (Except KV-ES34M31) R3809 1-247-883-00 CARBON 150K 5% 1/4W (Except KV-ES34M31) R3809 1-247-883-00 CARBON 150K 5% 1/4W (Except KV-ES34M31) R3809 1-247-876-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3809 1-247-876-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3809 1-249-425-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) R3810 1-249-425-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) (Except KV-							D2002	1 240 417 11	CARRON	117 50/ 1/437
R6458 1-216-089-91 RES,CHIP 47K 5% 1/10W R3803 1-249-417-11 CARBON IK 5% 1/4W (Except KV-ES34M31) R3804 1-215-444-00 METAL 9,1K 1/4W (Except KV-ES34M31) R3805 1-249-417-11 CARBON 1K 5% 1/4W (Except KV-ES34M31) R3807 1-215-413-00 METAL 470K 19% 1/4W (Except KV-ES34M31) R3808 1-247-883-00 CARBON 150K 5% 1/4W (Except KV-ES34M31) R3809 1-247-883-00 CARBON 150K 5% 1/4W (Except KV-ES34M31) R3809 1-247-876-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3810 1-249-425-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3810 1-249-425-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3811 1-219-510-11 CARBON 470K 5% 1/4W (Except KV-ES34M31) R3811 1-219-550-11 CARBON 1M 5% 1/2W (Except KV-ES34M31) R3812 1-219-759-11 CARBON 15K 5% 1/4W (Except KV-ES34M31) R3812 1-219-759-11 CARBON 15K 5% 1/4W (Except KV-ES34M31) (Excep			*				K3802	1-249-417-11	CARBON	
R6459 1-216-057-00 RES,CHIP 2.2K 5% 1/10W R3804 1-215-444-00 METAL 9.1K 1/4W (Except KV-ES34M31)							R3803	1_249_417_11	CARRON	
R6459	10-130	1 210 007 71	KLD,CIII	7/10	370	1/10 11	13003	1 247 417 11	CHRIDON	
R3805 1-249-417-11 CARBON IK 5% I/4W (Except KV-ES34M31)	R6459	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R3804	1-215-444-00	METAL	
R3807 1-215-413-00 METAL METAL										(Except KV-ES34M31)
**************************************							R3805	1-249-417-11	CARBON	
* A-1343-791-A										
* A-1343-791-A DH BOARD MOUNTED (KV-ES34M31) * A-1343-851-A DH BOARD MOUNTED (KV-ES34M61) * A-1343-850-A DH BOARD MOUNTED (KV-ES34M90) ***********************************	*****	*****	**********	**********	******	*********	R3807	1-215-413-00	METAL	
* A-1343-851-A DH BOARD MOUNTED (KV-ES34M61)		* A 13/13 701 A	DH BOADD MOI	INTED (KV E	524M21)				(Except KV-ES34M31)
A-1343-850-A DH BOARD MOUNTED (KV-ES34M80/ES34M90) **********************************				,		*	R3808	1-247-883-00	CARBON	150K 5% 1/4W
R3810 1-249-425-11 CARBON CExcept KV-ES34M31) R3811 1-219-510-11 CARBON CExcept KV-ES34M31) R3811 1-219-510-11 CARBON CExcept KV-ES34M31) R3811 1-219-510-11 CARBON CExcept KV-ES34M31) CARBON CExcept KV-ES34M31) CExcept KV-ES34				,		*	110000	12.7 000 00	or mad or v	
R3810 1-249-425-11 CARBON 4.7K 5% 1/4W			******	*****		,	R3809	1-247-876-11	CARBON	75K 5% 1/4W
C3801 1-126-964-11 CERAMIC 10MF 20% 50V (Except KV-ES34M31) R3811 1-219-510-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) (Exce										(Except KV-ES34M31)
C3801 1-126-964-11 CERAMIC 10MF 20% 50V (Except KV-ES34M31) R3812 1-219-510-11 CARBON 470K 5% 1/2W (Except KV-ES34M31) R3812 1-219-759-11 CARBON 1M 5% 1/2W (Except KV-ES34M31) (Excep							R3810	1-249-425-11	CARBON	
C3801 1-126-964-11 CERAMIC 10MF 20% 50V (Except KV-ES34M31) R3812 1-219-759-11 CARBON 1M 5% 1/2W (Except KV-ES34M31) (Except			<capacitor></capacitor>							
C3804	C2001	1 126 064 11	CEDAMIC	10ME	200/	5011	R3811	1-219-510-11	CARBON	
C3804 1-102-129-00 ELECT	C3801	1-120-904-11	CERAMIC				P3812	1_219_759_11	CARRON	. 1
C3805 1-126-964-11 ELECT 10MF 20% 50V R3814 1-249-411-11 CARBON 330K 5% 1/4W (Except KV-ES34M31) (Except	C3804	1-102-129-00	ELECT	` I		,	K3012	1-217-737-11	CARDON	
C3807 1-102-129-00 CERAMIC 0.01MF 10% 50V R3823 1-249-395-11 CARBON 15K 5% 1/4W (Except KV-ES34M31) (Exc										(=:::-F: ::: ==:: :)
C3807 1-102-129-00 CERAMIC 0.01MF 10% 50V (Except KV-ES34M31) C3816 1-126-964-11 ELECT 10MF 20% 50V (Except KV-ES34M31) C3819 1-126-960-11 ELECT 1MF 20% 50V (Except KV-ES34M31) C3822 1-136-165-00 MYLAR 10MF 5% 50V (Except KV-ES34M31) C3807 1-102-129-00 CERAMIC 0.01MF 10% 50V (Except KV-ES34M31) C3823 1-249-395-11 CARBON 15K 5% 1/4W (Except KV-ES34M31) CARBON 15K 5% 1/4W (Except KV-ES34M31) CARBON 0.47K 5% 1/4W (Except KV-ES34M31) CARBON 0.47K 5% 1/4W (Except KV-ES34M31) CARBON 15K 5% 1/4W (Except KV-ES34M31) CARBON 15K 5% 1/4W (Except KV-ES34M31)	C3805	1-126-964-11	ELECT	10MF	20%	50V	R3814	1-249-411-11	CARBON	330K 5% 1/4W
C3816 1-126-964-11 ELECT 10MF 20% 50V R3825 1-249-417-11 CARBON 1K 5% 1/4W (Except KV-ES34M31)				· •		*				
C3816	C3807	1-102-129-00	CERAMIC				R3823	1-249-395-11	CARBON	
C3819 1-126-960-11 ELECT ELECT Except KV-ES34M31) R3828 1-249-377-11 CARBON CARBON CARBON CARBON CARBO	C2017	1 100 004 11	ELECT	` .		· ·	Dagar	1 040 417 11	CARRON	
C3819 1-126-960-11 ELECT IMF 20% 50V (Except KV-ES34M31) C3822 1-136-165-00 MYLAR 10MF 5% 50V R3828 1-249-377-11 CARBON 0.47K 5% 1/4W (Except KV-ES34M31) R3839 1-249-429-11 CARBON 10K 5% 1/4W (Except KV-ES34M31)	C3816	1-126-964-11	ELECT				K3825	1-249-417-11	CARBON	
(Except KV-ES34M31) R3839 1-249-429-11 CARBON (Except KV-ES34M31) C3822 1-136-165-00 MYLAR 10MF 5% 50V (Except KV-ES34M31)	C3819	1-126-960-11	ELECT	· •			R3828	1-249-377-11	CARBON	. 1
R3839 1-249-429-11 CARBON 10K 5% 1/4W (Except KV-ES34M31)	2301)	1 120 700-11	LLLC I				13020		57 H.DOI1	
` <u> </u>				(=p, 11)		,	R3839	1-249-429-11	CARBON	. 1
(Except KV-ES34M31)	C3822	1-136-165-00	MYLAR	10MF	5%	50V				(Except KV-ES34M31)
				(Except KV	-ES34M3	31)	•			

KV-ES34M31/ES34M61/ES34M80/ES34M90



REF. NC	D. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R3845	1-249-425-11	CARBON	4.7K (Except KV-	5% -ES34M3	1/4W	C4349 C4350	1-164-346-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP	1MF 0.1MF	10%	16V 25V
R3846	1-249-417-11	CARBON	1K (Except KV-	5%	1/4W	C4350	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
R3847	1-249-807-31	CARBON	100K	5%	1/4W	C4352	1-126-967-11	ELECT	47MF	20%	50V
R3848	1-249-417-11	CARBON	(Except KV- 1K	-ES34M3 5%	31) 1/4W	C4353 C4354	1-107-823-11 1-107-823-11	CERAMIC CHIP CERAMIC CHIP	0.47MF 0.47MF	10% 10%	16V 16V
			(Except KV-	ES34M	31)	C4355	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R3849	1-249-377-11	CARBON	0.47K (Except KV-	5% -ES34M3	1/4W 31)	C4356	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
					,	C4357	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R3850	1-535-303-00	LEAD, JUMPER	5.0MM (Exc			C4358	1-164-004-11	CERAMIC CHIP	0.1MF 0.0022MF	10%	25V
R3851 R3852	1-535-303-00 1-249-441-11	LEAD, JUMPER CARBON	5.0MM (Exc 100K	сері к v- 5%	1/4W	C4359 C4360	1-164-161-11 1-126-963-11	CERAMIC CHIP ELECT	0.0022MF 4.7MF	10% 20%	50V 50V
K3632	1-24)-441-11	CARDON	(Except KV-			C4300	1-120-703-11	LLLC1	4.71411	2070	
R3854	1-249-429-11	CARBON	10K	5%	1/4W	C4362	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
			(Except KV	-ES34M	31)	C4363	1-126-967-11	ELECT	47MF	20%	50V
						C4364 C4366	1-126-967-11	ELECT CERAMIC CHIR	47MF	20% 10%	50V 50V
						C4366 C4367	1-163-021-91 1-104-760-11	CERAMIC CHIP CERAMIC CHIP	0.01MF 0.047MF	10%	50V 50V
*****	*******	******	*******	*****	******	C4307	1-104-700-11	CERAMIC CHIP	0.04/MIF	10%	30 V
						C4369	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
	* A-1343-778-B	E BOARD MOUN				C4370	1-126-967-11	ELECT	47MF	20%	50V
		******	****			C4371	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
						C4378	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		<capacitor></capacitor>				C4800	1-136-165-00	MYLAR	0.1MF	5%	50V
						C4801	1-136-161-00	MYLAR	0.047MF	5%	50V
C4301	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4802	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C4308	1-126-960-11	ELECT	1MF	20%	50V	C4803	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C4309	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V	C4804	1-126-967-11	ELECT	47MF	20%	50V
C4316	1-104-664-11	ELECT	47MF	20%	25V	C4805	1-126-964-11	ELECT	10MF	20%	50V
C4317	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4806	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C4318	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4808	1-105-155-00	MYLAR	0.1MF	5% 5%	50V
C4319	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4809	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C4320	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4811	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C4321	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4812	1-126-967-11	ELECT	47MF	20%	50V
C4322	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V						
G 100 1		arr is tra attra	0.43.55	100/	2577	C4813	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C4324	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4814	1-126-967-11	ELECT CERAMIC CHIR	47MF	20%	50V
C4325 C4326	1-163-093-00 1-164-004-11	CERAMIC CHIP	10PF 0.1MF	5% 10%	50V 25V	C4815 C4816	1-163-235-11	CERAMIC CHIP	22PF 10PF	5% 0.5PF	50V 50V
C4320 C4327	1-164-004-11	CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF	10%	25V 25V	C4817	1-163-227-11 1-126-967-11	CERAMIC CHIP ELECT	47MF	20%	50V
C4328	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25 V	C4017	1-120-707-11	LLLCI	4/WII	2070	30 V
						C4818	1-107-906-11	ELECT	10MF	20%	50V
C4329	1-126-963-11	ELECT	4.7MF	20%	50V	C4820	1-107-909-11	ELECT	47MF	20%	50V
C4330	1-136-244-11	FILM	0.1MF	5%	50V	C4821	1-107-909-11	ELECT	47MF	20%	16V
C4331	1-126-959-11	ELECT	0.47MF	20%	50V	C4822	1-107-909-11	ELECT	47MF	20%	16V
C4332	1-136-161-00	MYLAR	0.047MF	5%	50V	C4823	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C4333	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4824	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C4334	1-126-967-11	ELECT	47MF	20%	50V	C4825	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C4336	1-126-967-11	ELECT	47MF	20%	50V	C4833	1-126-964-11	ELECT	10MF	20%	50V
C4338	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C4834	1-126-933-11	ELECT	100MF	20%	16V
C4339	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C4835	1-164-004-1	CERAMIC CHIP	0.1MF	10%	25V
C4340	1-126-967-11	ELECT	47MF	20%	50V	C4926	1 164 004 11	CED AMIC CUE	0.11/05	100/	251/
C4341	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C4836 C4837	1-164-004-11 1-163-275-11	CERAMIC CHIP CERAMIC CHIP	0.1MF 0.001MF	10% 5%	25V 5V
C4341 C4342	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C+031	. 100 210-11	CLAG IVIIC CIIII	0.0011411	5/0	٥,
C4343	1-164-004-11	CERAMIC CHIP	0.01MF	10%	25V						
C4344	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V			<connector></connector>			
C4345	1-126-967-11	ELECT	47MF	20%	50V						_
04246	1 164 245 11	CED AND COM	1ME		100		1-793-497-11	CONNECTOR, BC		ARD 40	P
C4346	1-164-346-11	CERAMIC CHIP	1MF	100/	16V		1-564-512-11	PLUG, CONNECT			
C4347 C4348	1-164-004-11 1-164-346-11	CERAMIC CHIP CERAMIC CHIP	0.1MF 1MF	10%	25V 16V	CIN4502*	1-564-506-11	PLUG, CONNECT	UK 3P		
C+340	1-104-340-11	CERAINIC CHIP	TIVII.		101						



REF. NO	PART NO.	DESCRIPTION	REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
		<diode></diode>		Q4304	8-729-230-49	TRANSISTOR 2S	C2712-YG		
D4303	8-719-109-72	DIODE RD3.9ESB2		Q4307	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
D4304	8-719-977-22	DIODE DTZ9.1		O4308	8-729-026-49	TRANSISTOR 2S.	A1037AK-T14	46-R	
D4305	8-719-977-22	DIODE DTZ9.1		Q4310	8-729-026-49	TRANSISTOR 2S.			
D4311	8-719-914-43	DIODE DAN202K		Q4315	1-801-806-11	TRANSISTOR DT	C144EKA-T1	46	
D4312	8-719-914-43	DIODE DAN202K		Q4316	8-729-230-49	TRANSISTOR 2S			
D4313	8-719-401-63	DIODE MA3062M-TX		Q4317	8-729-900-53	TRANSISTOR DT	C114EK		
D4313 D4314	8-719-914-43	DIODE DAN202K		04319	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
D4800	8-719-914-43	DIODE DAN202K		Q4320	8-729-026-49	TRANSISTOR 2S.			
D4801	8-719-914-43	DIODE DAN202K		Q4321	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
D4803	8-719-911-19	DIODE 1SS119-25		Q4322	8-729-026-49	TRANSISTOR 2S.		46-R	
D4804	8-719-911-19	DIODE 1SS119-25		Q4800	8-729-230-49	TRANSISTOR 2S	C2712-YG		
D4807	8-719-914-43	DIODE DAN202K		O4801	8-729-230-49	TRANSISTOR 2S	C2712-YG		
D4808	8-719-914-43	DIODE DAN202K		Q4802	8-729-230-49	TRANSISTOR 2S			
D4809	8-719-914-43	DIODE DAN202K		Q4803	8-729-230-49	TRANSISTOR 2S	C2712-YG		
D4811	8-719-109-54	DIODE RD2.2ESB2		Q4804	8-729-230-49	TRANSISTOR 2S			
D4812	8-719-911-19	DIODE 1SS119-25		Q4805	8-729-230-49	TRANSISTOR 2S	C2712-YG		
D4812 D4813	8-719-911-19	DIODE DAN202K		Q4806	8-729-230-49	TRANSISTOR 2S	C2712-YG		
D4814	8-719-914-43	DIODE DAN202K		Q4807	8-729-230-49	TRANSISTOR 2S			
D4815	8-719-109-54	DIODE RD2.2ESB2		Q4808	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
D4816	8-719-911-19	DIODE 1SS119-25		Q4809	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
				Q4810	8-729-230-49	TRANSISTOR 2S	C2712-YG		
		<ferrite bead=""></ferrite>		O4811	8-729-230-49	TRANSISTOR 2S	C2712-YG		
				Q4812	8-729-026-49	TRANSISTOR 2S.		46-R	
FB4387	1-216-295-91	SHORT 0		Q4813	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
FB4388	1-216-295-91	SHORT 0		Q4814	8-729-026-49	TRANSISTOR 2S.			
FB4389	1-216-295-91	SHORT 0		Q4815	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
				Q4816	8-729-026-49	TRANSISTOR 2S.	A1037AK-T1	46-R	
		<ic></ic>		Q4817	8-729-230-49	TRANSISTOR 2S	C2712-YG		
				Q4818	8-729-026-49	TRANSISTOR 2S.		46-R	
IC4301	8-752-090-87	IC CXA2100AQ		Q4820	8-729-230-49	TRANSISTOR 2S			
IC4800 IC4801	8-759-450-95	IC LM393N		Q4821	1-801-806-11	TRANSISTOR DT	C144EKA-T1	.46	
IC4801 IC4802	8-759-450-95 8-759-701-50	IC LM393N IC NJM3404AD		O4822	8-729-230-49	TRANSISTOR 2S	C2712-YG		
IC4803	8-759-135-80	IC UPC358C		Q4823	8-729-026-49	TRANSISTOR 2S		46-R	
				Q4824	8-729-026-49	TRANSISTOR 2S.			
				Q4825	8-729-230-49	TRANSISTOR 2S	C2712-YG		
		<chip conductor=""></chip>		Q4826	8-729-230-49	TRANSISTOR 2S	C2712-YG		
JR4301	1-216-295-91	SHORT 0							
						<resistor></resistor>			
		<coil></coil>		R4301	1-216-025-91	RES,CHIP	100	5%	1/10W
		COIL		R4302	1-216-025-91	RES,CHIP	100	5%	1/10W
L4301	1-412-029-11	INDUCTOR CHIP 10UH		R4303	1-216-025-91	RES,CHIP	100	5%	1/10W
L4302	1-412-029-11	INDUCTOR CHIP 10UH		R4304	1-216-025-91	RES,CHIP	100	5%	1/10W
L4303	1-412-029-11	INDUCTOR CHIP 10UH		R4305	1-216-025-91	RES,CHIP	100	5%	1/10W
L4304	1-412-029-11	INDUCTOR CHIP 10UH							
L4305	1-412-029-11	INDUCTOR CHIP 10UH		R4306	1-216-025-91	RES,CHIP	100	5%	1/10W
L4306	1-412-029-11	INDUCTOR CHIP 10UH		R4307 R4308	1-216-025-91 1-216-295-91	RES,CHIP SHORT	100 0	5%	1/10W
L4308	1-412-029-11	INDUCTOR CHIP 100H INDUCTOR CHIP 47UH		R4306 R4310	1-216-295-91	SHORT	0		
L4309	1-412-031-11	INDUCTOR CHIP 47UH		R4310	1-216-295-91	SHORT	0		
L4311	1-412-002-31	INDUCTOR CHIP 4.7UH		·					
				R4313	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
				R4314	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
		<transistor></transistor>		R4316	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
Q4301	8-729-230-49	TRANSISTOR 2SC2712-YG		R4317 R4318	1-216-081-00 1-208-804-11	RES,CHIP METAL CHIP	22K 8.2K	5% 0.50%	1/10W 1/10W
Q4301 Q4302	8-729-230-49	TRANSISTOR 2SA1037AK-T146-R		N+310	1-200-004-11	METAL CHIF	0.4K	0.3070	1/10 **
Q4302 Q4303	8-729-120-28	TRANSISTOR 2SA1037AR-1140-R TRANSISTOR 2SC1623-L5L6							



REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R4319	1-208-804-11	METAL CHIP	8.2K	0.50%	1/10W	R4388	1-216-295-91	SHORT	0		
R4320	1-208-790-11	METAL CHIP	2.2K		1/10W	R4389	1-216-295-91	SHORT	0		
R4321	1-216-298-00	RES,CHIP	2.2	5%	1/10W	R4395	1-216-295-91	SHORT	0		
R4323	1-208-814-91	METAL CHIP	22K		1/10W						
R4324	1-208-798-11	METAL CHIP	4.7K		1/10W	R4396	1-216-295-91	SHORT	0		
						R4397	1-216-295-91	SHORT	0		
R4325	1-208-818-11	METAL CHIP	33K	0.50%	1/10W	R4399	1-247-807-31	CARBON	100	5%	1/4
R4326	1-208-826-11	METAL CHIP	68K		1/10W	R4401	1-216-105-91	RES,CHIP	220K	5%	1/10W
R4327	1-208-822-11	METAL CHIP	47K		1/10W	R4408	1-216-025-91	RES,CHIP	100	5%	1/10W
R4329	1-208-782-11	METAL CHIP	1K		1/10W			,-			
R4330	1-216-089-91	RES,CHIP	47K	5%	1/10W	R4409	1-216-073-00	RES,CHIP	10K	5%	1/10W
		,			-,	R4410	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4331	1-216-025-91	RES,CHIP	100	5%	1/10W	R4411	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4332	1-216-025-91	RES,CHIP	100	5%	1/10W	R4412	1-216-097-91	RES,CHIP	100K	5%	1/10W
R4333	1-216-025-91	RES,CHIP	100	5%	1/10W	R4518	1-216-025-91	RES,CHIP	100	5%	1/10W
R4334	1-216-049-91	RES,CHIP	1K	5%	1/10W			,			
R4335	1-216-025-91	RES,CHIP	100	5%	1/10W	R4519	1-216-073-00	RES,CHIP	10K	5%	1/10W
		,			-,	R4520	1-216-025-91	RES,CHIP	100	5%	1/10W
R4336	1-216-025-91	RES.CHIP	100	5%	1/10W	R4521	1-216-025-91	RES,CHIP	100	5%	1/10W
R4337	1-216-025-91	RES,CHIP	100	5%	1/10W	R4800	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4338	1-216-041-00	RES,CHIP	470	5%	1/10W	R4801	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4339	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	11.001	1 210 0 . , , , 1	nes,em		270	1/10//
R4341	1-216-295-91	SHORT	0	270	1,1011	R4802	1-216-073-00	RES,CHIP	10K	5%	1/10W
10.0.11	1 210 2,0 ,1	5110111	Ü			R4803	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4343	1-216-025-91	RES,CHIP	100	5%	1/10W	R4804	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R4344	1-216-025-91	RES,CHIP	100	5%	1/10W	R4805	1-208-792-11	METAL CHIP	2.7K		1/10W
R4345	1-216-075-00	RES,CHIP	12K	5%	1/10W	R4806	1-208-792-11	METAL CHIP	2.7K		1/10W
R4346	1-208-812-11	METAL CHIP	18K		1/10W	111000	1 200 772 11	METAL CITA	2.711	0.5070	1/10//
R4347	1-216-025-91	RES,CHIP	100	5%	1/10W	R4807	1-216-049-91	RES,CHIP	1K	5%	1/10W
10.017	1 210 020 71	TLLO, CTIII	100	270	1,1011	R4809	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4348	1-216-025-91	RES,CHIP	100	5%	1/10W	R4810	1-208-814-91	METAL CHIP	22K		1/10W
R4349	1-216-041-00	RES,CHIP	470	5%	1/10W	R4811	1-208-814-91	METAL CHIP	22K		1/10W
R4350	1-216-025-91	RES,CHIP	100	5%	1/10W	R4812	1-216-295-91	SHORT	0	0.5070	1/10//
R4351	1-216-081-00	RES,CHIP	22K	5%	1/10W	1012	1 210 293 91	ынын	o .		
R4352	1-216-041-00	RES,CHIP	470	5%	1/10W	R4813	1-216-089-91	RES,CHIP	47K	5%	1/10W
10332	1 210 011 00	кы,сти	170	570	1/10//	R4814	1-208-830-11	METAL CHIP	100K		1/10W
R4353	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	R4815	1-208-830-11	METAL CHIP	100K		1/10W
R4354	1-208-806-11	METAL CHIP	10K		1/10W	R4816	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4355	1-216-049-91	RES,CHIP	1K	5%	1/10W	R4817	1-208-846-11	METAL CHIP	470K		1/10W
R4356	1-216-049-91	RES,CHIP	1K	5%	1/10W	1017	1 200 0 10 11	METAL CITA	17011	0.5070	1/10//
R4357	1-216-073-00	RES,CHIP	10K	5%	1/10W	R4818	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
		,		- / -	-,	R4819	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4358	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	R4820	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4359	1-216-041-00	,	470	5%	1/10W	R4821	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4360	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R4822	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4361	1-216-133-00	RES,CHIP	3.3M	5%	1/10W	1022	1 210 037 00	res,erm	2.211	570	1/10//
R4363	1-216-025-91	RES,CHIP	100	5%	1/10W	R4823	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
11.000	1 210 020 71	TLLO, CTIII	100	270	1,1011	R4824	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4365	1-216-025-91	RES,CHIP	100	5%	1/10W	R4825	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4366	1-216-025-91	RES,CHIP	100	5%	1/10W	R4826	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R4367	1-216-025-91	RES,CHIP	100	5%	1/10W	R4827	1-216-295-91	SHORT	0	270	1/10//
R4369	1-216-025-91	RES,CHIP	100	5%	1/10W	1027	1 210 293 91	ынын	o .		
R4370	1-216-049-91	RES,CHIP	1K	5%	1/10W	R4828	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
10.070	1 210 0 . , , , 1	TLLO, CTIII		270	1,1011	R4829	1-216-057-00	RES.CHIP	2.2K	5%	1/10W
R4372	1-216-049-91	RES.CHIP	1K	5%	1/10W	R4831	1-208-791-11	METAL CHIP	2.4K		1/10W
R4373	1-216-295-91	SHORT	0	570	1/10//	R4832	1-208-822-11	METAL CHIP	47K		1/10W
R4374	1-216-025-91	RES,CHIP	100	5%	1/10W	R4833	1-208-822-11	METAL CHIP	47K		1/10W
R4375	1-216-049-91	RES,CHIP	1K	5%	1/10W	14033	1 200 022 11	WIETTE CITI	4/10	0.5070	1/10 11
R4376	1-216-045-91	RES,CHIP	100	5%	1/10W 1/10W	R4834	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
104370	1 210 023 71	KLD,CIIII	100	370	1/10**	R4835	1-208-790-11	METAL CHIP	2.2K		1/10W
R4377	1-216-049-91	RES,CHIP	1K	5%	1/10W	R4836	1-208-790-11	METAL CHIP	2.2K 47K		1/10W 1/10W
R4377 R4380	1-216-049-91	RES,CHIP	10K	5%	1/10W 1/10W	R4837	1-208-822-11	METAL CHIP	47K 47K		1/10W 1/10W
R4381	1-216-075-00	RES,CHIP	1.5M	5%	1/10W 1/10W	R4838	1-208-830-11	METAL CHIP	100K		1/10W 1/10W
R4381 R4382	1-216-123-00	RES,CHIP	1.5WI 10K	5%	1/10W 1/10W	NTOJO	1.700-030-11	MEIAL CIII	1001	0.5070	1/10 11
R4383	1-216-073-00	RES,CHIP	18K	5%	1/10W 1/10W	R4839	1-208-804-11	METAL CHIP	8.2K	0.50%	1/10W
117303	1-210-077-00	KLO,CIII	101	J /U	1/10 11	R4840	1-216-295-91	SHORT	0.2 K	0.5070	1/10 11
R4384	1-216-025-91	RES,CHIP	100	5%	1/10W	R4841	1-216-293-91	RES,CHIP	2.2K	5%	1/10W
R4387	1-216-025-91	SHORT	0	J /U	1/10 11	17-0-1	1.210-037-00	KLO,CIII	4.41	5/0	1/10 11
147307	1 210 2/5-/1	SHORI	v		l						

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The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.







REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R4842	1-208-822-11	METAL CHIP	47K	0.50%	1/10W	*	A-1241-402-A	F1 BOARD MOU	NTED		
R4843	1-216-057-00	RES,CHIP	2.2K	5%	1/10W			******			
R4844	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W		1-533-223-11	HOLDER, FUSE			
R4845	1-208-830-11	METAL CHIP	100K		1/10W	*	4-374-846-01	COVER, CAPACIT	TOR, CAP TY	/PE	
R4846	1-208-766-11	METAL CHIP	220		1/10W						
R4847	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R4848	1-216-073-00	RES,CHIP	10K	5%	1/10W			<capacitor></capacitor>			
K4040	1-210-073-00	KE3,CIIII	1010	370				CALACITOR			
R4849	1-216-095-00	RES,CHIP	82K	5%	1/10W	C1601 △	1-104-708-51	MYLAR	0.47MF	20%	250V
R4850	1-216-097-91	RES,CHIP	100K	5%	1/10W	C1602 /\	1-109-835-51	MYLAR	0.68MF	20%	250V
R4851	1-216-053-00	RES,CHIP	1.5K	5%	1/10W		1-117-703-51	CERAMIC	0.0047MF	99%	250V
R4852	1-216-081-00	RES,CHIP	22K	5%	1/10W	C1003 2E	1-117-703-31	CLICAIVIIC	0.0047111	<i>))</i> //0	230 v
R4853	1-216-053-00	RES,CHIP	1.5K	5%	1/10W						
								<connector></connector>			
R4854	1-216-061-00	RES,CHIP	3.3K	5%	1/10W			CONTECTOR			
R4855	1-216-077-91	RES,CHIP	15K	5%	1/10W	CN11 (01*	A 1 500 042 11	DIN CONNECTO	D (DOWED)		
R4856	1-216-057-00	RES,CHIP	2.2K	5%	1/10W			PIN, CONNECTO	` ′		
R4857	1-208-810-11	METAL CHIP	15K	0.50%	1/10W			PIN, CONNECTO	R (POWER)		
R4858	1-208-808-11	METAL CHIP	12K	0.50%	1/10W	CN1603	1-695-915-11	TAB (CONTACT)			
						CN1604	1-695-915-11	TAB (CONTACT)			
R4859	1-208-792-11	METAL CHIP	2.7K	0.50%	1/10W						
R4860	1-208-798-11	METAL CHIP	4.7K	0.50%	1/10W						
R4861	1-216-057-00	RES,CHIP	2.2K	5%	1/10W			<fuse></fuse>			
R4862	1-208-810-11	METAL CHIP	15K	0.50%	1/10W						
R4864	1-208-790-11	METAL CHIP	2.2K		1/10W	F1601 △	1-532-299-11	FUSE, TIME-LAG	5A/250V		
R4865	1-208-781-91	METAL CHIP	910		1/10W						
R4866	1-216-089-91	RES,CHIP	47K	5%	1/10W			<ferrite bead<="" td=""><td>></td><td></td><td></td></ferrite>	>		
R4869	1-208-814-91	METAL CHIP	22K		1/10W						
R4871	1-208-820-11	METAL CHIP	39K	0.50%	1/10W	FB1601	1-410-397-21	FERRITE	1.1UH		
R4872	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	FB1602	1-410-397-21	FERRITE	1.1UH		
						FB1603	1-410-397-21	FERRITE	1.1UH		
R4874	1-216-295-91	SHORT	0			FB1604	1-410-397-21	FERRITE	1.1UH		
R4875	1-216-057-00	RES,CHIP	2.2K	5%	1/10W						
R4877	1-216-057-00	RES,CHIP	2.2K	5%	1/10W						
R4878	1-208-836-11	METAL CHIP	180K	0.50%	1/10W			<resistor></resistor>			
R4879	1-216-105-91	RES,CHIP	220K	5%	1/10W						
						R1601 △	1-202-885-91	SOLID	1M	10%	1/2W
R4881	1-216-295-91	SHORT	0								
R4882	1-208-834-11	METAL CHIP	150K	0.50%	1/10W						
R4883	1-208-842-11	METAL CHIP	330K	0.50%	1/10W			<transformer< td=""><td>₹></td><td></td><td></td></transformer<>	₹>		
R4884	1-208-822-11	METAL CHIP	47K	0.50%	1/10W						
R4886	1-208-822-11	METAL CHIP	47K	0.50%	1/10W	T1601 A	1-433-900-11	TRANSFORMER,	I INE EILTE	D	
R4887	1-208-814-91	METAL CHIP	22K	0.50%	1/10W	11602 △	1-453-900-11	TRANSFORMER,	LINE FILIE	K	
R4892	1-216-295-91	SHORT	0								
R4894	1-216-073-00	RES,CHIP	10K	5%	1/10W			III Dromo =			
R4895	1-216-073-00	RES,CHIP	10K	5%	1/10W			<varistor></varistor>			
R4908	1-216-049-91	RES, CHIP	1K	5%	1/10W						
		, -				VDR161	1-803-830-31	VARISTOR (ERZV	V14D621)		
R4909	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
R4910	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R4911	1-208-818-11	RES,CHIP	33K	0.5%	1/10W	المناف الماملة على على الم	المناسبة الم	*******	المناف ال	المعاد والمعاد	de also also also also also also also also
R4912	1-208-806-11	METAL, CHIP	10K	0.50%	1/10W	*****	****	******		*****	to also also also also also also also als
R4913	1-208-806-11	METAL, CHIP	10K	5%	1/10W	***	. 1041 400 4	E2 DO (DD) (O)	WEED.		
						*	A-1241-403-A	F2 BOARD MOU!			
R4914	1-216-057-00	RES, CHIP	2.2K	5%	1/10W			·	· · rendered		
		<crystal></crystal>						<connector></connector>			
						CN1651*	1-580-843-11	PIN, CONNECTO	R (POWER)		
X4300	1-767-127-11	VIBRATOR, CERA	AMIC				1-691-291-11	PIN, CONNECTO		D) 5P	
								-,	(Do. III	,	
						1					

KV-ES34M31/ES34M61/ES34M80/ES34M90

F 2	H 1	H ₂ H	3								
REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
C1651 A	△ 1-571-433-31	<switch> SWITCH, PUSH (</switch>	AC DOWED)					<connector></connector>			
31031 2	2 1-3/1-433-31	SWITCH, FUSH (AC FOWER)				* 1-564-509-11 * 1-564-515-11	PLUG, CONNEC PLUG, CONNEC			
*****	******	*******	******	******	******			<diode></diode>			
:	* A-1372-728-A	H1 BOARD MOU ********				D1930 D1935	8-719-121-26 8-719-121-26	DIODE RD9.1ES DIODE RD9.1ES			
:	* 4-055-304-01	HOLDER, LED				21,00	0 ,13 121 20				
		<capacitor></capacitor>						<jack></jack>			
C1910 C1911 C1912	1-104-664-11 1-104-664-11 1-102-824-00	ELECT ELECT CERAMIC	47MF 47MF 470PF	20% 20% 5%	16V 16V 50V	J1931 J1932 J1933	1-770-786-11 1-537-744-11 1-770-329-11	JACK TERMINAL, S JACK, PIN 3P			
								<coil></coil>			
		<connector></connector>				L1931	1-408-603-31	INDUCTOR	10UH		
CN1901	* 1-564-520-11	PLUG, CONNECT	TOR 5P			L1932	1-408-603-31	INDUCTOR	10UH		
		<diode></diode>						<resistor></resistor>			
D1906	8-719-045-19	DIODE SPB-26M	VWF			R1933 R1934 R1935	1-247-895-91 1-247-807-31 1-247-807-31	CARBON CARBON CARBON	470K 100 100	5% 5% 5%	1/4W 1/4W 1/4W
		<ic></ic>				R1936 R1952	1-247-895-91 1-249-421-11	CARBON	470K 2.2K	5% 5%	1/4W 1/4W
IC1901	8-742-134-00	HYB IC SBX1981	-51P			K1732	1217 121 11		2.211	370	1/1//
		<transistor></transistor>				S1931	1-692-431-21	<switch> SWITCH, TACTI</switch>	r E		
Q1901 Q1902	8-729-030-02 8-729-030-02	TRANSISTOR DT				31931	1-092-431-21	SWITCH, IACH	DE.		
		<resistor></resistor>				*****	******	*******	******	*****	*****
R1911	1-249-411-11	CARBON	330	5%	1/4W	:	* A-1372-730-A	H3 BOARD MOU			
R1913 R1914	1-249-429-11 1-249-411-11	CARBON CARBON	10K 330	5% 5%	1/4W 1/4W						
R1915	1-249-429-11	CARBON	10K	5%	1/4W			<connector></connector>			
R1916	1-249-401-11	CARBON	47	5%	1/4W	CN1980 ³	* 1-564-518-11	PLUG, CONNEC	TOR 3P		
R1917 R1920	1-247-807-31 1-247-807-31	CARBON CARBON	100 100	5% 5%	1/4W 1/4W						
R1921	1-247-807-31	CARBON	100	5%	1/4W			<resistor></resistor>			
******	*******	*******	******	******	*****	R1970 R1971 R1972	1-249-416-11 1-247-831-91 1-249-418-11	CARBON CARBON CARBON	820 1K 1.2K	5% 5% 5%	1/4W 1/4W 1/4W
:	* A-1372-729-A	H2 BOARD MOU	NTFD			R1973 R1974	1-249-420-11 1-247-843-11	CARBON CARBON	1.8K 3.3K	5% 5%	1/4W 1/4W
	11 13/2 /2/ 11	******				R1975	1-249-427-11	CARBON	6.8K	5%	1/4W
		<capacitor></capacitor>				R1976	1-249-432-11	CARBON	18K	5%	1/4W
C1930	1-136-153-00	MYLAR	0.01MF	5%	50V			<switch></switch>			
C1932 C1935	1-136-153-00 1-102-824-00	MYLAR CERAMIC	0.01MF 470PF	5% 5%	50V 50V	S1972	1-572-198-11	SWITCH, KEYB			
C1938	1-102-824-00	CERAMIC	470PF	5%	50V	S1973	1-572-198-11	SWITCH, KEYBO	OARD		





REF. NO	. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REM	IARK
S1974	1-572-198-11	SWITCH, KEYBO	ARD			C8342	1-126-964-11	ELECT	10MF	20%	50V	
S1975	1-572-198-11	SWITCH, KEYBO	ARD			C8343	1-104-664-11	ELECT	47MF	20%	16V	
S1976	1-572-198-11	SWITCH, KEYBO	ARD			C8344	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
S1977	1-572-198-11	SWITCH, KEYBO	ARD			C8346	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
S1978	1-572-198-11	SWITCH, KEYBO	ARD			C8347	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
S1979	1-572-198-11	SWITCH, KEYBO				C8348	1-126-968-11	ELECT	100MF	20%	16V	
		,				C8349	1-117-720-11	CERAMIC CHIP	4.7MF		10V	
						C8352	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
						00002	1 107 020 11	CERTIFIC CITI	011/1111	10,0	10.	
******	******	******	******	*******	******	C8353	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V	
						C8354	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
	* A 1304 065 A	J BOARD COMPL	ETE			C8355	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
	A-1374-703-A	**********				C8356	1-164-346-11	CERAMIC CHIP	1MF	1070	16V	
						C8357				100/	50V	
		CADACITOD:				C6557	1-163-021-91	CERAMIC CHIP	0.01MF	10%	30 V	
		<capacitor></capacitor>				00050	1 164 046 11	CED 11 HC CHIP	13.45		101	
G040 5	4 4 50 004 04	ann is ma arm	0.043.00	100/		C8358	1-164-346-11	CERAMIC CHIP	1MF	400/	16V	
C8107	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C8359	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	
C8300	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8360	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C8301	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8361	1-126-961-11	ELECT	2.2MF	20%	50V	
C8302	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8362	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8303	1-163-133-00	CERAMIC CHIP	470PF	5%	50V							
						C8363	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8304	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8364	1-104-664-11	ELECT	47MF	20%	16V	
C8305	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8365	1-104-664-11	ELECT	47MF	20%	16V	
C8306	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8366	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C8307	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8367	1-104-664-11	ELECT	47MF	20%	16V	
C8308	1-163-133-00	CERAMIC CHIP	470PF	5%	50V							
00000	1 100 100 00	CLIU II II C CIIII	., 011	270		C8368	1-104-664-11	ELECT	47MF	20%	16V	
C8309	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8369	1-104-664-11	ELECT	47MF	20%	16V	
C8310	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8370	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8310	1-163-133-00	CERAMIC CHIP	1MF	370	16V	C8370 C8371	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8311			1MF			C8371					25V	
	1-164-346-11	CERAMIC CHIP			16V	C6372	1-164-004-11	CERAMIC CHIP	0.1MF	10%	23 V	
C8313	1-164-346-11	CERAMIC CHIP	1MF		16V	C0272	1 162 227 11	CED A MIC CHID	10DE	0.5DE	501	
G0214	1 164 246 11	CED AND CHID	13.45		1.617	C8373	1-163-227-11	CERAMIC CHIP	10PF	0.5PF		
C8314	1-164-346-11	CERAMIC CHIP	1MF		16V	C8374	1-164-346-11	CERAMIC CHIP	1MF		16V	
C8315	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8375	1-126-964-11	ELECT	10MF	20%	50V	
C8316	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C8376	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8317	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8381	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C8318	1-164-346-11	CERAMIC CHIP	1MF		16V							
						C8382	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8319	1-164-346-11	CERAMIC CHIP	1MF		16V	C8386	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C8320	1-117-720-11	CERAMIC CHIP	4.7MF		10V	C8390	1-126-963-11	ELECT	4.7MF	20%	50V	
C8321	1-117-720-11	CERAMIC CHIP	4.7MF		10V	C8391	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8322	1-164-346-11	CERAMIC CHIP	1MF		16V	C8392	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8323	1-164-346-11	CERAMIC CHIP	1MF		16V							
C8324	1-117-720-11	CERAMIC CHIP	4.7MF		10V	C8393	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
						C8396	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	
C8325	1-126-935-11	ELECT	470MF	20%	16V	C8399	1-126-961-11	ELECT	2.2MF	20%	50V	
C8326	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8401	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C8327	1-164-346-11	CERAMIC CHIP	1MF		16V	C8402	1-164-346-11	CERAMIC CHIP	1MF		16V	
C8328	1-164-346-11	CERAMIC CHIP	1MF		16V	00102	1 101 510 11	CERTIFIC CITI	11111		101	
C8329	1-163-249-11	CERAMIC CHIP	82PF	5%	50V	C8403	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	
C032)	1 103 247 11	CERTIFIC CITI	0211	370	30 1	C8406	1-104-664-11	ELECT	47MF	20%	16V	
C8330	1-164-346-11	CERAMIC CHIP	1MF		16V	C8400 C8407	1-104-664-11	ELECT	47MF	20%	16V	
C8331	1-164-346-11	CERAMIC CHIP	1MF	50/	16V	C8408	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	
C8332	1-163-249-11	CERAMIC CHIP	82PF	5%	50V	C8410	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8333	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V	C0411	1 117 700 11	CED AND CUIT	4.73.40		1017	
C8334	1-104-664-11	ELECT	47MF	20%	16V	C8411	1-117-720-11	CERAMIC CHIP	4.7MF	100:	10V	
90		ann 11 5 5 5 5 5 5 5 5	0.43.5	46	2511	C8412	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C8335	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8413	1-117-720-11	CERAMIC CHIP	4.7MF		10V	
C8336	1-104-664-11	ELECT	47MF	20%	16V	C8414	1-104-664-11	ELECT	47MF	20%	16V	
C8337	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8415	1-164-346-11	CERAMIC CHIP	1MF		16V	
C8338	1-164-346-11	CERAMIC CHIP	1MF		16V							
C8339	1-164-346-11	CERAMIC CHIP	1MF		16V	C8416	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
						C8417	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C8340	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8418	1-126-964-11	ELECT	10MF	20%	50V	
C8341	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8419	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
					I	C8424	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	



L											
	REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION		REMARK
	C0425	1 162 021 01	CED AMIC CUID	0.01ME	100/	501/	D0217	9.710.077.40	DIODE CTZC ON T	146	
	C8425	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	D8317	8-719-067-40	DIODE STZ6.8N-T	140	
	C8430	1-117-720-11	CERAMIC CHIP	4.7MF		10V	D8318	8-719-158-35	DIODE RD9.1SB		
	C8431	1-163-243-11	CERAMIC CHIP	47PF	5%	50V					
	C8432	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	D8319	8-719-158-35	DIODE RD9.1SB		
	C8437	1-126-963-11	ELECT	4.7MF	20%	50V	D8320	8-719-158-35	DIODE RD9.1SB		
							D8321	8-719-158-35	DIODE RD9.1SB		
	C8438	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D8322	8-719-158-35	DIODE RD9.1SB		
	C8439	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D8323	8-719-158-35	DIODE RD9.1SB		
	C8440	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	20020	0 /17 100 00	DIODEILDAND		
	C8441	1-164-346-11	CERAMIC CHIP	1MF	1070	16V	D8324	8-719-158-35	DIODE RD9.1SB		
	C8442	1-117-720-11	CERAMIC CHIP	4.7MF		10V	D8325	8-719-158-35	DIODE RD9.1SB		
							D8331	8-719-041-97	DIODE MA113-(TX	()	
	C8443	1-117-720-11	CERAMIC CHIP	4.7MF		10V					
	C8444	1-117-720-11	CERAMIC CHIP	4.7MF		10V					
	C8445	1-164-346-11	CERAMIC CHIP	1MF		16V			<filter></filter>		
	C8446	1-104-664-11	ELECT	47MF	20%	16V					
	C8447	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	FL8301	1-236-071-11	ENCAPSULATED (COMPONENT	
							FL8303	1-236-071-11	ENCAPSULATED (
	C8448	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V	FL8304	1-236-071-11	ENCAPSULATED (
	C8450	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	FL8305	1-236-071-11	ENCAPSULATED (
					10%						
	C8451	1-164-505-11	CERAMIC CHIP	2.2MF	100/	16V	FL8307	1-236-071-11	ENCAPSULATED (COMPONENT	
	C8452	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V					
	C8453	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	FL8308	1-236-071-11	ENCAPSULATED (COMPONENT	
							FL8309	1-236-071-11	ENCAPSULATED (COMPONENT	
	C8454	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	FL8311	1-236-071-11	ENCAPSULATED (COMPONENT	
	C8455	1-104-664-11	ELECT	47MF	20%	16V	FL8312	1-236-071-11	ENCAPSULATED (COMPONENT	
	C8456	1-104-664-11	ELECT	47MF	20%	16V	FL8313	1-236-071-11	ENCAPSULATED (COMPONENT	
	C8457	1-104-664-11	ELECT	47MF	20%	16V					
	C8459	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	FL8314	1-233-877-11	FILTER, LOW PASS	2	
	C0437	1 104 004 11	CERCIONIC CITI	0.11411	1070	23 1	FL8315	1-233-504-21	FILTER, LOW PASS		
	C0464	1 104 664 11	ELECT	471ME	200/	1617					
	C8464	1-104-664-11	ELECT	47MF	20%	16V	FL8316	1-233-504-21	FILTER, LOW PASS	3	
	C8465	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V					
	C8468	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V					
	C8471	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V			<ic></ic>		
	C8474	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V					
							IC8302	8-752-080-04	IC CXA2069Q		
							IC8304	8-759-576-72	IC LF50CDT-TR		
			<connector></connector>				IC8305	8-759-576-74	IC LF90CDT-TR		
							IC8306	8-752-094-47	IC CXA2123AQ-T6		
	CN8301*	1-564-524-11	PLUG, CONNECT	OR OP			IC8308	8-752-094-47	IC CXA2123AQ-T6		
		1-695-915-11	TAB (CONTACT)	OK 31			100000	0-132-034-41	IC CAA2123AQ-10		
		1-793-498-11	CONNECTOR, BC	A DD TO DO	ADD 50	n.	100200	0.750.227.26	IC MM1115VEDE		
	CN0304	1-793-498-11	CONNECTOR, BC	IAKD IO BO	AKD 30	r	IC8309	8-759-337-26	IC MM1115XFBE	10	
							IC8310	8-759-572-04	IC TDA9178T/N1.1		
							IC8311	8-759-485-79	IC TC7SET08FU(T	,	
			<diode></diode>				IC8312	8-759-485-79	IC TC7SET08FU(TI	E85L)	
							IC8314	8-742-175-00	HYB IC SBX3005-1	11	
	D8101	8-719-073-01	DIODE MA111-(K	.8).SO							
	D8102	1-216-295-91	SHORT	0							
	D8301	8-719-158-35	DIODE RD9.1SB						<jack></jack>		
	D8302	8-719-158-35	DIODE RD9.1SB								
	D8303	8-719-158-35	DIODE RD9.1SB				J8106	1-793-787-11	JACK BLOCK, PIN	1P	
							J8301	1-774-748-11	TERMINAL BLOC		
	D8304	8-719-158-35	DIODE RD9.1SB				J8302	1-774-746-11	JACK BLOCK, PIN	, · · ·	
	D8305	8-719-158-35	DIODE RD9.1SB				J8303	1-774-746-11	JACK BLOCK, PIN		
		8-719-158-35	DIODE RD9.1SB								
	D8306						J8304	1-774-746-11	JACK BLOCK, PIN		
	D8307	8-719-158-35	DIODE RD9.1SB								
	D8308	8-719-158-35	DIODE RD9.1SB				J8305	1-695-444-11	PIN JACK BLOCK		
							J8307	1-565-838-11	JACK BLOCK, PIN	2P	
	D8309	8-719-158-35	DIODE RD9.1SB								
	D8310	8-719-158-35	DIODE RD9.1SB								
	D8311	8-719-158-35	DIODE RD9.1SB						<chip conducto<="" td=""><td>OR></td><td></td></chip>	OR>	
	D8312	8-719-158-35	DIODE RD9.1SB								
	D8313	8-719-158-35	DIODE RD9.1SB				JR8301	1-216-295-91	SHORT	0	
	20010	2 . 1 . 1 . 1 . 0 . 0 . 0 . 0 . 0 . 0 . 0	_1022 107.100				JR8302	1-216-295-91	SHORT	0	
	D8314	8-719-158-35	DIODE RD9.1SB				JR8303	1-216-295-91	SHORT	0	
	D8314 D8315	8-719-067-40	DIODE STZ6.8N-T	T1/16			JR8304	1-216-295-91	SHORT	0	
	D8315 D8316	8-719-067-40	DIODE STZ6.8N-T				JIX0304	1-210-273-71	PHOKI	U	
	סונטת	0-717-007-40	DIODE 9170'91-1	140							



REE NO	. PART NO.	DESCRIPTION	REMARK	REF NO	. PART NO.	DESCRIPTION			REMARK
		Elsetti Hort				Eberti Herr			
		<coil></coil>		Q8512	8-729-026-49	TRANSISTOR 25	SA1037AK-T	146-R	
				(00.12					
L8302	1-414-196-41	INDUCTOR 47UH							
L8303	1-414-196-41	INDUCTOR 47UH				<resistor></resistor>			
L8304	1-414-196-41	INDUCTOR 47UH							
				R8208	1-216-295-91	SHORT	0		
				R8209	1-216-295-91	SHORT	0		
		<transistor></transistor>		R8301	1-216-041-00	RES,CHIP	470	5%	1/10W
				R8302	1-216-041-00	RES,CHIP	470	5%	1/10W
Q8301	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	₹	R8303	1-216-021-00	RES,CHIP	68	5%	1/10W
Q8302	8-729-230-49	TRANSISTOR 2SC2712-YG							
Q8303	8-729-230-49	TRANSISTOR 2SC2712-YG		R8304	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
Q8304	8-729-230-49	TRANSISTOR 2SC2712-YG		R8305	1-216-113-00	RES,CHIP	470K	5%	1/10W
Q8305	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	₹	R8306	1-216-022-00	RES,CHIP	75	5%	1/10W
				R8307	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8306	8-729-230-49	TRANSISTOR 2SC2712-YG		R8308	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q8307	8-729-230-49	TRANSISTOR 2SC2712-YG							
Q8308	8-729-230-49	TRANSISTOR 2SC2712-YG		R8309	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q8309	8-729-230-49	TRANSISTOR 2SC2712-YG		R8310	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8310	8-729-230-49	TRANSISTOR 2SC2712-YG		R8311	1-216-105-91	RES,CHIP	220K	5%	1/10W
				R8312	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q8312	8-729-230-49	TRANSISTOR 2SC2712-YG		R8313	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8313	8-729-230-49	TRANSISTOR 2SC2712-YG							
Q8319	8-729-026-49	TRANSISTOR 2SA1037AK-T146-I		R8314	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q8320	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F		R8315	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q8321	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	}	R8316	1-216-113-00	RES,CHIP	470K	5%	1/10W
				R8317	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8322	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F		R8318	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8323	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F							
Q8324	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	₹	R8319	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8325	8-729-230-49	TRANSISTOR 2SC2712-YG		R8320	1-216-105-91	RES,CHIP	220K	5%	1/10W
Q8326	8-729-230-49	TRANSISTOR 2SC2712-YG		R8321	1-216-105-91	RES,CHIP	220K	5%	1/10W
				R8322	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8327	1-801-806-11	TRANSISTOR DTC144EKA-T146		R8323	1-216-295-91	SHORT	0		
Q8328	1-801-806-11	TRANSISTOR DTC144EKA-T146		D0004	1 21 6 20 5 0 1	CHOPE	0		
Q8329	8-729-230-49	TRANSISTOR 2SC2712-YG		R8324	1-216-295-91	SHORT	0		
Q8330	8-729-230-49	TRANSISTOR 2SC2712-YG		R8325	1-216-295-91	SHORT	0	50/	1/10337
Q8331	8-729-230-49	TRANSISTOR 2SC2712-YG		R8326	1-216-113-00	RES,CHIP	470K	5%	1/10W
00222	0.720.220.40	TRANSISTOR ASSOCIATIONS		R8327	1-216-295-91	SHORT	0	50/	1/10337
Q8332	8-729-230-49	TRANSISTOR 2SC2712-YG		R8328	1-216-113-00	RES,CHIP	470K	5%	1/10W
Q8333	8-729-230-49 8-729-230-49	TRANSISTOR 2SC2712-YG TRANSISTOR 2SC2712-YG		D0220	1 216 112 00	RES,CHIP	470V	50/	1/10W
Q8334 Q8335	8-729-230-49	TRANSISTOR 2SC2712-YG		R8329 R8330	1-216-113-00 1-216-022-00	RES,CHIP	470K 75	5% 5%	1/10W 1/10W
Q8333 Q8336	8-729-230-49	TRANSISTOR 2SC2712-YG		R8331			0	3%	1/10 W
Q8330	6-729-230-49	TRAINSISTOR 25C2/12-1G			1-216-295-91 1-216-295-91	SHORT SHORT			
Q8337	8-729-230-49	TRANSISTOR 2SC2712-YG		R8332 R8333	1-216-295-91	SHORT	0		
Q8337 Q8342	8-729-230-49	TRANSISTOR 2SC2712-YG		Kosss	1-210-293-91	SHOKI	U		
Q8342 Q8343	8-729-230-49	TRANSISTOR 2SA1037AK-T146-I	2	R8334	1-216-295-91	SHORT	0		
Q8344	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F		R8335	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8349	8-729-230-49	TRANSISTOR 2SC2712-YG	•	R8336	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q0547	0 727 230 47	110 11 015 1 OK 25 C2 / 12 1 G		R8337	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8350	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	?	R8338	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8351	8-729-230-49	TRANSISTOR 2SC2712-YG	•	10330	1 210 005 71	RES,CIII	1.711	570	1/10//
Q8352	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	2	R8339	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8353	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F		R8340	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8354	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F		R8341	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
				R8342	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8355	8-729-026-49	TRANSISTOR 2SA1037AK-T146-F	3	R8343	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8358	1-801-806-11	TRANSISTOR DTC144EKA-T146					=		
Q8359	1-801-806-11	TRANSISTOR DTC144EKA-T146		R8344	1-216-022-00	RES,CHIP	75	5%	1/10W
Q8360	1-801-806-11	TRANSISTOR DTC144EKA-T146		R8348	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
Q8361	8-729-230-49	TRANSISTOR 2SC2712-YG		R8349	1-216-049-91	RES,CHIP	1K	5%	1/10W
~				R8350	1-216-049-91	RES,CHIP	1K	5%	1/10W
Q8362	8-729-230-49	TRANSISTOR 2SC2712-YG		R8351	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8363	8-729-230-49	TRANSISTOR 2SC2712-YG							
Q8464	8-729-230-49	TRANSISTOR 2SC2712-YG		R8352	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8465	8-729-230-49	TRANSISTOR 2SC2712-YG		R8353	1-216-017-91	RES,CHIP	47	5%	1/10W
Q8466	8-729-230-49	TRANSISTOR 2SC2712-YG		R8354	1-216-017-91	RES,CHIP	47	5%	1/10W
				I .					



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R8355	1-216-295-91	SHORT	0			R8422	1-216-295-91	SHORT	0		
R8356	1-216-295-91	SHORT	0			R8424	1-216-083-00	RES,CHIP	27K	5%	1/10W
R0330	1-210-275-71	SHORI	U			R8425	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8357	1-216-017-91	RES,CHIP	47	5%	1/10W	R8426	1-208-796-11	METAL CHIP	3.9K		1/10W
		*								0.30%	1/10 W
R8358	1-216-017-91	RES,CHIP	47	5%	1/10W	R8428	1-216-295-91	SHORT	0		
R8361	1-216-017-91	RES,CHIP	47	5%	1/10W						
R8362	1-216-017-91	RES,CHIP	47	5%	1/10W	R8429	1-216-295-91	SHORT	0		
R8363	1-208-773-11	METAL CHIP	430	0.50%	1/10W	R8430	1-216-295-91	SHORT	0		
						R8431	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8364	1-216-041-00	RES,CHIP	470	5%	1/10W	R8432	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8365	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8433	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8366	1-216-049-91	RES,CHIP	1K	5%	1/10W			,			
R8367	1-216-041-00	RES,CHIP	470	5%	1/10W	R8434	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8369	1-216-041-00	RES,CHIP	470	5%	1/10W	R8435	1-216-295-91	SHORT	0	270	1,1011
K0307	1-210-041-00	KL5,CIII	470	370	1/10**	R8436	1-216-273-71	RES,CHIP	47	5%	1/10W
D0270	1 21 6 025 01	DEC CHID	100	50/	1/10337						
R8370	1-216-025-91	RES,CHIP	100	5%	1/10W	R8437	1-216-025-91	RES,CHIP	100	5%	1/10W
R8372	1-216-295-91	SHORT	0			R8438	1-216-025-91	RES,CHIP	100	5%	1/10W
R8373	1-216-295-91	SHORT	0								
R8374	1-216-039-00	RES,CHIP	390	5%	1/10W	R8440	1-216-295-91	SHORT	0		
R8375	1-216-041-00	RES,CHIP	470	5%	1/10W	R8441	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R8442	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8376	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8443	1-216-025-91	RES,CHIP	100	5%	1/10W
R8377	1-216-025-91	RES,CHIP	100	5%	1/10W	R8444	1-216-025-91	RES,CHIP	100	5%	1/10W
R8378	1-216-033-00	RES,CHIP	220	5%	1/10W	110	1 210 020 71	1125,0111	100	270	1,1011
R8379	1-216-033-00	RES,CHIP	220	5%	1/10W	R8445	1-216-017-91	RES,CHIP	47	5%	1/10W
R8380	1-216-025-91	RES,CHIP	100	5%	1/10W	R8446	1-216-049-91	RES,CHIP	1K	5%	1/10W
K0300	1-210-023-91	кез,спіг	100	3%	1/10 W						1/10W 1/10W
D0201	1 01 6 005 01	DEC CHID	100	50/	1/1011	R8447	1-216-025-91	RES,CHIP	100	5%	
R8381	1-216-025-91	RES,CHIP	100	5%	1/10W	R8448	1-216-025-91	RES,CHIP	100	5%	1/10W
R8382	1-216-033-00	RES,CHIP	220	5%	1/10W	R8449	1-216-025-91	RES,CHIP	100	5%	1/10W
R8383	1-216-033-00	RES,CHIP	220	5%	1/10W						
R8384	1-216-025-91	RES,CHIP	100	5%	1/10W	R8450	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8385	1-216-025-91	RES,CHIP	100	5%	1/10W	R8451	1-216-097-91	RES,CHIP	100K	5%	1/10W
						R8452	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8386	1-216-025-91	RES,CHIP	100	5%	1/10W	R8453	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8388	1-216-031-00	RES,CHIP	180	5%	1/10W	R8454	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8389	1-216-033-00	RES,CHIP	220	5%	1/10W	KOTJT	1-210-007-71	KL5,CIII	4/IX	370	1/10 **
						D0455	1 216 007 01	DEC CHID	10017	£0/	1/10337
R8390	1-208-773-11	METAL CHIP	430		1/10W	R8455	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8391	1-216-041-00	RES,CHIP	470	5%	1/10W	R8456	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R8457	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8393	1-216-037-00	RES,CHIP	330	5%	1/10W	R8458	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8394	1-216-041-00	RES,CHIP	470	5%	1/10W	R8459	1-216-025-91	RES,CHIP	100	5%	1/10W
R8395	1-216-033-00	RES,CHIP	220	5%	1/10W						
R8396	1-216-033-00	RES,CHIP	220	5%	1/10W	R8460	1-216-025-91	RES,CHIP	100	5%	1/10W
R8398	1-216-025-91	RES,CHIP	100	5%	1/10W	R8461	1-216-025-91	RES,CHIP	100	5%	1/10W
						R8462	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8399	1-216-025-91	RES,CHIP	100	5%	1/10W	R8463	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8400	1-216-025-91	RES,CHIP	100	5%	1/10W	R8464	1-216-025-91	RES,CHIP	1001	5%	1/10W
R8401	1-216-023-91	RES,CHIP	22K	5%	1/10W 1/10W	110707	1 210-023-71	1110,01111	100	5/0	1/1011
		*				R8465	1 216 025 01	DEC CHID	100	£0/	1/10337
R8404	1-216-033-00	RES,CHIP	220	5%	1/10W		1-216-025-91	RES,CHIP	100	5%	1/10W
R8405	1-216-033-00	RES,CHIP	220	5%	1/10W	R8466	1-216-025-91	RES,CHIP	100	5%	1/10W
						R8467	1-216-041-00	RES,CHIP	470	5%	1/10W
R8406	1-216-033-00	RES,CHIP	220	5%	1/10W	R8468	1-216-041-00	RES,CHIP	470	5%	1/10W
R8407	1-216-033-00	RES,CHIP	220	5%	1/10W	R8469	1-216-041-00	RES,CHIP	470	5%	1/10W
R8408	1-216-033-00	RES,CHIP	220	5%	1/10W						
R8409	1-216-295-91	SHORT	0			R8470	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8410	1-216-295-91	SHORT	0			R8471	1-216-025-91	RES,CHIP	100	5%	1/10W
						R8472	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8411	1-216-083-00	RES,CHIP	27K	5%	1/10W	R8473	1-216-025-91	RES,CHIP	100	5%	1/10W
R8412	1-216-083-00	RES,CHIP	10K	5%	1/10W 1/10W	R8474	1-216-023-91	RES,CHIP	100K	5%	1/10W 1/10W
						NO+/4	1-410-07/-71	KLO,CIIIF	TOOK	J 70	1/10 44
R8413	1-216-041-00	RES,CHIP	470	5%	1/10W	D0455	1.014.000.01	DEG CHIP	4717	501	1/10337
R8414	1-208-796-11	METAL CHIP	3.9K		1/10W	R8475	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8415	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8476	1-216-031-00	RES,CHIP	180	5%	1/10W
						R8477	1-216-033-00	RES,CHIP	220	5%	1/10W
R8417	1-216-025-91	RES,CHIP	100	5%	1/10W	R8478	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8418	1-216-025-91	RES,CHIP	100	5%	1/10W	R8479	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8419	1-216-017-91	RES,CHIP	47	5%	1/10W						
R8420	1-216-017-91	RES,CHIP	47	5%	1/10W	R8480	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8421	1-216-295-91	SHORT	0	- / -		R8481	1-216-095-00	RES,CHIP	82K	5%	1/10W
110721	. 210 2/3-/1	5110111	3			10701	. 210 075-00	,.1111	J211	5 /0	2/1011

J V (KV-ES34M31/M61 ONLY)

REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R8482	1-216-089-91	RES,CHIP	47K	5%	1/10W	R8582	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
R8484	1-216-045-00	RES,CHIP	680	5%	1/10W	R8583	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
R8485	1-216-037-00	RES,CHIP	330	5%	1/10W	R8584	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
		,				R8585	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
R8486	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8586	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
R8487	1-216-045-00	RES,CHIP	680	5%	1/10W	R0300	1 200 271 11	KL5,CIII	4.7141	370	1/1011
R8488	1-216-041-00	RES,CHIP	470	5%	1/10W	R8587	1-216-295-91	SHORT	0		
R8489	1-216-041-00	RES,CHIP		5%	1/10W	R8588	1-216-293-91	RES,CHIP	470	5%	1/10W
			1K					,			
R8490	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8589	1-216-041-00	RES,CHIP	470	5%	1/10W
D0404	1 216 025 01	DEG CHID	100	50/	1 /1 011	R8590	1-216-041-00	RES,CHIP	470	5%	1/10 W
R8491	1-216-025-91	RES,CHIP	100	5%	1/10W	R8592	1-216-295-91	SHORT	0		
R8492	1-216-041-00	RES,CHIP	470	5%	1/10W	20504		arronm.			
R8493	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8594	1-216-295-91	SHORT	0		
R8494	1-216-041-00	RES,CHIP	470	5%	1/10W	R8595	1-216-041-00	RES,CHIP	470	5%	1/10W
R8495	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8596	1-216-041-00	RES,CHIP	470	5%	1/10W
						R8597	1-216-041-00	RES,CHIP	470	5%	1/10W
R8496	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R8497	1-216-025-91	RES,CHIP	100	5%	1/10W						
R8498	1-216-043-91	RES,CHIP	560	5%	1/10W			<crystal></crystal>			
R8499	1-216-081-00	RES,CHIP	22K	5%	1/10W						
R8500	1-216-033-00	RES,CHIP	220	5%	1/10W	X8301	1-781-612-11	VIBRATOR, CRY	STAL		
						X8302	1-781-612-11	VIBRATOR, CRY	STAL		
R8501	1-216-081-00	RES,CHIP	22K	5%	1/10W						
R8502	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R8503	1-216-097-91	RES,CHIP	100K	5%	1/10W						
R8507	1-216-025-91	RES,CHIP	1001	5%	1/10W	*******	******	******	******	*****	*****
R8508	1-216-025-91	RES,CHIP	100	5%	1/10W						
Rosoo	1-210-025-91	KES,CIII	100	370	1/10 VV	,	k A 1242 516 A	V BOARD MOUN	TED (VV E	2241121/	MC1 ONI V
R8509	1-216-025-91	RES,CHIP	100	5%	1/10W		A-1342-310-A	**********	,	03410131/	WIOT ONLT)
R8510	1-216-041-00	RES,CHIP	470	5%	1/10W			C + D + CITTOD			
R8512	1-216-017-91	RES,CHIP	47	5%	1/10W			<capacitor></capacitor>			
R8513	1-216-039-00	RES,CHIP	390	5%	1/10W						
R8514	1-216-039-00	RES,CHIP	390	5%	1/10W	C1803	1-104-665-11	ELECT	100MF	20%	16V
						C1804	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
R8515	1-216-295-91	SHORT	0			C1805	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8516	1-216-049-91	RES,CHIP	1K	5%	1/10W	C1806	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
R8518	1-216-047-91	RES,CHIP	820	5%	1/10W	C1807	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
R8519	1-216-047-91	RES,CHIP	820	5%	1/10W						
R8528	1-216-025-91	RES,CHIP	100	5%	1/10W	C1808	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
						C1809	1-104-665-11	ELECT	100MF	20%	16V
R8530	1-216-041-00	RES,CHIP	470	5%	1/10W	C1810	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
R8532	1-216-041-00	RES,CHIP	470	5%	1/10W	C1811	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8533	1-216-041-00	RES,CHIP	470	5%	1/10W	C1812	1-104-665-11	ELECT	100MF	20%	16V
R8536	1-216-025-91	RES,CHIP	100	5%	1/10W						
R8538	1-216-041-00	RES,CHIP	470	5%	1/10W	C1813	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
110000	1 210 0.1 00	rabb, criii	.,,	270	1, 10 11	C1815	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
R8540	1-216-041-00	RES,CHIP	470	5%	1/10W	C1819	1-164-005-11	CERAMIC CHIP	0.47MF	570	25V
R8541	1-216-039-00	RES,CHIP	390	5%	1/10W	C1821	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R8551	1-216-049-91	RES,CHIP	1K	5%	1/10W	C1822	1-104-666-11	ELECT	220MF	20%	16V
R8557	1-216-049-91	RES,CHIP	1K 1K	5%	1/10W 1/10W	C1022	1-104-000-11	LLLCI	2201VII	2070	10 4
R8558	1-216-049-91	METAL CHIP	560		1/10W 1/10W	C1824	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
Коээо	1-208-770-11	METAL CHIP	300	0.30%	1/10 W						
D0561	1 217 040 01	DEC CIUD	1 <i>V</i>	5 0/	1/10337	C1826	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8561	1-216-049-91	RES,CHIP	1K	5%	1/10W	C1827	1-104-666-11	ELECT	220MF	20%	16V
R8562	1-208-776-11	METAL CHIP	560		1/10W	C1828	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8564	1-216-025-91	RES,CHIP	100	5%	1/10W	C1829	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R8565	1-216-049-91	RES,CHIP	1K	5%	1/10W						
R8566	1-208-776-11	METAL CHIP	560	0.50%	1/10W						
								<connector></connector>			
R8567	1-216-017-91	RES,CHIP	47	5%	1/10W						
R8569	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W	CN1801	1-793-496-11	CONNECTOR, BO	DARD TO BO	DARD 20)P
R8570	1-216-017-91	RES,CHIP	47	5%	1/10W						
R8572	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W						
R8573	1-216-017-91	RES,CHIP	47	5%	1/10W			<diode></diode>			
		,-	•	- · -				- -			
R8575	1-208-800-11	METAL CHIP	5.6K	0.50%	1/10W	D1802	8-719-073-01	DIODE MA111-(F	ζ8).S0		
R8576	1-216-013-00	RES,CHIP	33	5%	1/10W	D1803	8-719-073-01	DIODE MA111-(F			
R8577	1-216-295-91	SHORT	0	370	2/ 10 11	D1803	8-719-073-01	DIODE MA111-(F	*		
R8578	1-216-233-91	RES,CHIP	220	5%	1/10W	D1809	8-719-073-01	DIODE MA111-(F	*		
R8579	1-216-295-91	SHORT	0	5/0	1/1011	D1010	0 117 015-01	PIOPE MULITI-(I	10).00		
NOJ 17	1-210-275-71	SHORI	U								

V (KV-ES34M31/M61 ONLY)

DEE NO	. PART NO.	DESCRIPTION			REMARK	DEE NO	PART NO.	DESCRIPTION			REMARK
KEF. NO	- PART NO.	DESCRIPTION			KEWIAKK	KEF. NO.	PART NO.	DESCRIPTION			KEMAKK
		<ferrite bead<="" td=""><td>></td><td></td><td></td><td>R1838 R1839</td><td>1-216-025-91 1-216-025-91</td><td>RES,CHIP RES,CHIP</td><td>100 100</td><td>5% 5%</td><td>1/10W 1/10W</td></ferrite>	>			R1838 R1839	1-216-025-91 1-216-025-91	RES,CHIP RES,CHIP	100 100	5% 5%	1/10W 1/10W
FB1801	1-410-397-21	FERRITE	1.1UH			R1840	1-216-025-91	RES,CHIP	100	5%	1/10W 1/10W
FB1802	1-410-397-21	FERRITE	1.1UH			R1841	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
FB1803	1-410-397-21	FERRITE	1.1UH								
FB1804	1-410-397-21	FERRITE	1.1UH								
FB1805	1-410-397-21	FERRITE	1.1UH					<crystal></crystal>			
						X1801	1-781-685-21	VIBRATOR, CRYS	STAL		
		<ic></ic>									
IC1801	8-759-652-13	IC SDA5254-2B00	6								
IC1802	8-759-239-14	IC TA78L05S	O			******	******	******	*****	*****	*****
IC1803	8-759-042-02	IC S-80743AL-A7-	·T1								
						*	A-1342-515-A	VM BOARD MOU			
		<coil></coil>						**********	*****		
		(COIL)					4-382-854-11	SCREW (M3X10),	P, SW (+)		
L1801	1-408-602-31	INDUCTOR	8.2UH					, , ,	, , ,		
								<capacitor></capacitor>			
		<transistor></transistor>						<cafacitor></cafacitor>			
						C5401	1-126-935-11	ELECT	470MF	20%	16V
Q1802	8-729-230-49	TRANSISTOR 2SO				C5402	1-137-194-81	MYLAR	0.47MF	5%	50V
Q1803	8-729-230-49	TRANSISTOR 2SO				C5403	1-126-935-11	ELECT	470MF	20%	6.3V
Q1804	8-729-026-49	TRANSISTOR 2SA				C5405	1-126-933-11	ELECT	100MF	20%	16V
Q1805	8-729-026-49 8-729-026-49	TRANSISTOR 2SA				C5406	1-126-935-11	ELECT	470MF	20%	6.3V
Q1806	8-729-020-49	TRANSISTOR 25	A105/AK-11	40-K		C5407	1-107-364-11	MYLAR	0.01MF	10%	200V
						C5408	1-107-364-11	MYLAR	0.01MF	10%	200V
		<resistor></resistor>				C5409	1-107-649-11	ELECT	2.2MF	20%	250V
						C5410	1-130-471-00	MYLAR	0.001MF	5%	50V
R1802	1-216-295-91	SHORT	0			C5411	1-130-471-00	MYLAR	0.001MF	5%	50V
R1804	1-208-792-11	METAL CHIP	2.7K		1/10W						
R1805	1-216-025-91	RES,CHIP	100	5%	1/10W	C5412	1-126-935-11	ELECT	470MF	20%	16V
R1806	1-216-025-91	RES,CHIP	100	5%	1/10W	C5413	1-107-648-91	ELECT	100MF	20%	160V
R1807	1-208-816-11	METAL CHIP	27K	0.50%	1/10W	C5415 C5418	1-104-999-11 1-107-638-11	MYLAR ELECT	0.1MF 33MF	10% 20%	200V 160V
R1808	1-216-025-91	RES,CHIP	100	5%	1/10W	00.110	1 107 000 11	LLL01	001111	20,0	100 /
R1809	1-208-758-11	METAL CHIP	100		1/10W						
R1811	1-208-758-11	METAL CHIP	100	0.50%	1/10W			<connector></connector>			
R1812	1-216-295-91	SHORT	0								
R1813	1-208-758-11	METAL CHIP	100	0.50%	1/10W		1-770-723-11 1-764-334-11	CONNECTOR, BO PLUG, CONNECT		ARD 8F)
R1814	1-216-295-91	SHORT	0			CN3402	1-704-334-11	FLUG, CONNECT	OK 11F		
R1815	1-216-295-91	SHORT	0								
R1816	1-216-295-91	SHORT	0					<diode></diode>			
R1820	1-216-121-91	RES,CHIP	1M	5%	1/10W						
R1821	1-216-041-00	RES,CHIP	470	5%	1/10W	D540	8-719-911-19	DIODE 1SS119-25			
						D5401	8-719510-02	DIODE D1NS4			
R1822	1-216-025-91	RES,CHIP	100	5%	1/10W	D5402	8-719-911-19	DIODE 188119-25			
R1823 R1824	1-216-089-91 1-216-049-91	RES,CHIP RES,CHIP	47K 1K	5% 5%	1/10W 1/10W	D5403 D5404	8-719-911-19 8-719-911-19	DIODE 1SS119-25 DIODE 1SS119-25			
R1825	1-216-049-91	RES,CHIP	470	5% 5%	1/10W 1/10W	D3404	0-719-911-19	DIODE 133119-23			
R1826	1-216-049-91	RES,CHIP	1K	5%	1/10W	D5405	8-719-110-56	DIODE RD22ESB	1		
						D5406	8-719-110-56	DIODE RD22ESB	1		
R1827	1-216-037-00	RES,CHIP	330	5%	1/10W						
R1829	1-216-053-00	RES,CHIP	1.5K	5%	1/10W			COIL >			
R1830 R1831	1-216-063-91 1-216-073-00	RES,CHIP RES,CHIP	3.9K 10K	5% 5%	1/10W 1/10W			<coil></coil>			
R1832	1-215-859-00	METAL OXIDE	22	5% 5%	1710W 1W F	L5400	1-412-525-31	INDUCTOR	10UH		
	007 00	0.11101		- / •							
R1833	1-216-065-91	RES,CHIP	4.7K	5%	1/10W						
R1834	1-216-065-91	RES,CHIP	4.7K	5%	1/10W			<transistor></transistor>			
R1835	1-216-049-91	RES,CHIP	1K	5%	1/10W	05400	0.700.110.70	TD A MOTOTOD CC	33705 1700		
R1836 R1837	1-216-049-91 1-216-049-91	RES,CHIP RES,CHIP	1K 1K	5% 5%	1/10W 1/10W	Q5400 Q5401	8-729-119-78 8-729-119-78	TRANSISTOR 2SO TRANSISTOR 2SO			
K100/	1-210-049-91	кеж,спіг	117	5%	1/10 ₩	Q5401 Q5402	8-729-119-78 8-729-119-78	TRANSISTOR 2SO			
						20.102		-10.1. D2D1 O10 2D0	, 111 11		

REF. NO	. PART NO.	DESCRIPTION			REMA	ARK	REF. NO	. PART NO.	DESCRIPTION	REMARK
Q5403 Q5404	8-729-119-78 8-729-119-76	TRANSISTOR 2SO TRANSISTOR 2SO						1-505-473-11 1-529-562-11	SPEAKER (12CM) SPEAKER (7X4CM)	
Q5404	8-729-119-76	TRANSISTOR 2SA	AII/3-HFE					1-529-562-11	CLAMP, SLEEVE FERRITE	
O5405	8-729-026-39	TRANSISTOR 2SA	TO-245504				A.	1-769-175-21	CABLE, ANTENNA (WITH FILTER)	
Q5405	8-729-119-76	TRANSISTOR 2SA	-				7!	1-790-082-11	CABLE, RF	
Q5405	8-729-119-76	TRANSISTOR 2SA						1-790-002-11	CABLE, KI	
Q5406	8-729-045-05	TRANSISTOR 2SA	A2005				À	1-791-439-11	CORD, POWER (WITH CONNECTOR)
Q5407	8-729-045-04	TRANSISTOR 2SO	C5511				7.	1-771 -4 37-11	(KV-ES34M61/ES34M80)	,
							A.	1-792-035-11	CORD, POWER (WITH FILTER) (KV-I	2024M21\
									, , , , , , , , , , , , , , , , , , , ,	,
		<resistor></resistor>					<u> </u>	1-790-299-11	CORD, POWER (WITH NOISE FILTER	<
R5401	1-247-847-91	CARBON	4.7K	5%	1/4W				(KV-ES34M90)	
R5401	1-247-847-91	CARBON	4.7 K 680	5% 5%	1/4 W		<u> </u>	8-451-500-31	DEFLECTION YOKE (Y34RSC2-M3)	
R5402	1-249-413-11	CARBON	100	5%	1/4 W	F		8-453-007-31	NA324-M3	
R5404	1-249-418-11	CARBON	1.2K	5%	1/4W	•	A.	0.725.062.05	DICTURE TURE A 001 DD 10M (MM E02	43.661)
R5406	1-249-425-11	CARBON	4.7K	5%	1/4W			8-735-063-05	PICTURE TUBE A80LPD10X (KV-ES3	· · · · · · · · · · · · · · · · · · ·
								8-735-065-05	PICTURE TUBE A80LPD10X (KV-ES3	
R5407	1-249-399-11	CARBON	33	5%	1/4W				PICTURE TUBE A80LPD10X (KV-ES3	
R5408	1-247-807-31	CARBON	100	5%	1/4W				PICTURE TUBE A80LPD10X (KV-ES3	34M90)
R5409	1-247-815-91	CARBON	220	5%	1/4W		<u> </u>	1-419-295-11	COIL, LANDING CORRECTION	
R5410	1-249-401-11	CARBON	47	5%	1/4W				(Except KV-ES34M31)	
R5411	1-249-401-11	CARBON	47	5%	1/4W					
R5412	1-249-429-11	CARBON	10K	5%	1/4W					
R5412	1-249-414-11	CARBON	560	5%	1/4W	F	****	le sile sile sile sile sile sile sile si	**********	ake
R5414	1-249-432-11	CARBON	18K	5%	1/4W	•				
R5415	1-247-739-11	CARBON	100	5%	1/2W	F		ACCESSORIE	S AND PACKING MATERIALS	
R5416	1-249-385-11	CARBON	2.2	5%	1/4W	F			*******	
R5417	1-249-432-11	CARBON	18K	5%	1/4W			1-569-008-21	ADAPTOR, CONVERSION 2P	
R5418	1-249-414-11	CARBON	560	5%	1/4W				(KV-ES34M80/ES34M90 only)	
R5419 R5420	1-249-421-11 1-249-421-11	CARBON CARBON	2.2K 2.2K	5%	1/4W 1/4W			1-769-175-21	CABLE, ANTENNA (WITH FILTER)	
R5420 R5421	1-249-421-11	CARBON	2.2 K 2.2	5% 5%	1/4 W	F		3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
103421	1 247 303 11	CHICDOIN	2.2	370	1/	1		3-867-756-21	MANUAL, INSTRUCTION (KV-ES34M31/ES34M80)	
R5422	1-249-405-11	CARBON	100	5%	1/4W	F		3-867-756-31	MANUAL, INSTRUCTION (KV-ES34N	480)
R5423	1-215-915-11	METAL OXIDE	470	5%	3W	F		3 007 730 31	minterial, institute from the Essin	100)
R5424	1-249-395-11	CARBON	15	5%	1/4W			3-867-756-11	MANUAL, INSTRUCTION (KV-ES34N	1 90)
R5425	1-249-401-11	CARBON	47	5%	1/4W			3-867-756-51	MANUAL, INSTRUCTION (KV-ES34N	1 61)
R5427	1-249-395-11	CARBON	15	5%	1/4W			4-392-004-11	CLIP	
								4-392-003-01	BAND, HOLD	
******	*****	******	*******	*****	*****	****				
							******	******	***********	*****
		MISCELLANEOU								
		*********	:							
		G + B + GGT+ TTGT+								
	1-251-374-13	CAP ASSY, HIGH-							REMOTE COMMANDER	
<u> </u>	1-419-293-11	COIL, DEGAUSSI							*********	
	1-452-014-11 1-452-032-11	CIRCULAR DISC MAGNET,DISC	MAGNET B					1 410 500 11	DEMOTE COMMANDED (DM 016)	
	1-452-896-11	COIL, NA ROTATI	ON (PT200)					1-418-566-11 4-074-721-01	REMOTE COMMANDER (RM-916) BATTERY COVER, REMOTE COMMA	MDED
	1-732-070-11	COIL, NA ROTAIT	O11 (ICI 200)					7-0/ 7 -/21-01	DATERT COVER, REMOTE COMME	אייה
							******	**********	**********	*****
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